John Curtis

These 4 Vols are the Catalogues of my Collections of British Insects & form part & parcel of them.

V. W. Vernon Wollaston, Jesus Coll. Camb. 1843.
R. N. G. R. Northmore Greville 1844
N. W. B. Denny Walter Bates, Leicester 1844

Don't fold this Door

20
12
240
15
1200
240
3600

Rannoch, Perthshire, Forrest, labelled thus [Ran]

imperialis Meg: Germ: africapilla var Gyll.
Sturm: 173. B.

obscurus Mew: Step. Ill. 5. 366.

Apl. Southend
30 — off grass in Coomb Lane Mr. Ingall
bottom of the Sedge beats at Cambridge
25th May off Reeds, Tollesbury Marshes
May off growing wheat Charlton, Merrman

testaceus Eric:
fenestratus (Fab: Sturm D. F. 7. pl 168. A) Step Ill. 5. 367. S. of Scotland

Coleoptera.

10 **Cicindela** Linn: Curtis B.E. pl 1.

× sylvatica L.– Don: 10. 351. 1.– Pz: 85. 5. . . b. Jun: July & on aug: pla sandy places Marlesham heath Suff: Cobham & Ripley Surrey: Christchurch & Parley Heath, Hants & Rumsey wood in hot sandy situations, taking short flights. 30 June 46 abt. on heathy & gravelly spots about fir groves two Forest & cliffs

maritima Dej. Gyll

✓ hybrida Step: Sowerby pl: 18.– Pz: 85. 4. . . . . May. Jun: sand hills Gt. Yarm: Norf: – Swansea – Weston – e. Aug: super-Mare Somersetsh. Beaumaris, Anglesea. e. Jul. Pegwell bay B. E. of Bourne – mouth e Aug: 26 July.

hybrida L. Dej: Gyll. West. Gl. Cl. pl 1 f 1.

✓ 2 Ulparia Meg: Lat: Icon: t 4, f 2. Step. pl 1, f 1. July. Aug: Sandhills, Southport & Preston Lancash: Dolson Halifax Mr. Leyland.

β africa Step. p 18, n 3*.

not British. Sylvicola Meg: Lat: Icon: t 4, f 4. Br. Cat. pl 1. is hybrida var. hybrida Cast. ad. Southend. The larva lives in burrows 18 inches deep: Bloxom. June & near Epping Forest

× campestris L.– Don: 1. 12.– Pz: 85. 3. . . . . Mar: to Oct: sandy banks, heaths, fields & pathways lived 33 days on a pint dose

Larva fusca Ann. S. E. Comes 6. 155, pl. 7 No 2. Larva Jul to Oct in banks & sandy paths: pupised in Aug: & a month after Imago. a little after the larva as supra Oct.

× germanica L.– Lat: Icon: t 5, f 6. . . . . June to Sept. Black gang Cliff, Isle of Wight, near Dartford Cliffs & Marsh Bay, Dover & Lyme Regis with Drypta & c. Kent – N. Barnstaple Devon Bagehot & Pangbourne b. Aug. fish ebb. 20, they do not fly, but run very fast, in damp paths & among the heath bushes, they fight desperately, many hundreds assembled & watch with their heads out of their holes to seize any thing. In ½ hour they can fly Isle of Ryde

21 **Drypta** Fab: Lat: Cur. 252

Apr: at roots of grass, base of Cliff. E. of Lacombe Chine, 15 or 20, J. S. D & D. Stevens.

emarginata F.– Step pl 1, f 2. Pz. 28. 15. — May. June N. Hastings, & Faversham, & under reject. Leith Sands chrysostomos Marsh. Sower: tab 59. at the roots of Sallows near Bodiam & Battenandary, in abundance

e Sept. One under a stone half way up the Cliff near Lyme Regis too. The Dr. Fl. Waller. e. Oct. N. Finchley 2 in 1825 Rev. F. Bancroft, under stones on stiff clay.

23 **Polistichus** Bon:– Zuphium Lat: Cur. 223.

fasciolatus F. Step pl 1, f 3. Lat. Icon. 10. 6. April under marine reject. Clay Norf & Southend 13 Apr to 19 May. stones, among sand, Southwold Suff. 25 Apr 46 on a field N. Sandown, Norfk.

22 **Odacantha** Payk. Fab: Lat: Cur. 227

July Holme Fen, Whittlesea.

× melanura L – angustatus Pz. 10. 1. . . . . June. amongst rejectamenta in Marshes & flying at Don. 15. 513.– Sow: t 36.– Lat Icon. t 10, f 6 rotundicollis Bradiston, Horning & N. Takenham Norf: Whittlesea Mere Crowhelper Bog: N. Swansea. e June near Uppingham. Rutland May, amongst bundles of Reeds, Cowbitten Suff: & on Reeds Tollesbury e Apr 26. May 11 Tapenby, shaking Reeds over a cloth on Burwell Fen N. Whittlesea Vernon Wollaston

27 **Demetrias** Bon: Dej: Curtis. 119

atricapillus L.– Dej: Icon. t 14. f 3. O in Moss & at the roots of grass – under bark in Furze-bushes. Holly trees. Apr. under leaves of Horn poppy Southend

monostigma Leach. Curtis Br. Ent. pl 119. July. Sedges & roots of grass, sandy places S. Creek Norf: — unipunctatus Creutz: Germ: Dej: Icon: t 14 f 2. Sturm 173. a. e Jul. Swansea. Whittlesea Mere, out of Sallows, & sedges abund.

28 **Dromius** Bon: Dej: Curtis 231. Cut. Trans. 1. 80
A with wings.

✓ 1 meridionalis Dej. 1. 242 Step. apt. Pz: 75. 11? April N. Southend. common in Norf. & round London July. N. Dublin & N. of Ireland. Lamb.

× 2 agilis F. Dej. Step: apt. Pz. 30. 9. β.– rufescens Mar: Jan: under bark of fir Trees, accompanying the last fuscatus Dej 16 July. Cosmore quag.

× quadrimaculatus L. Marsh. Pz: 75.10. — O under bark of Trees. Oaks & Hollies
Dej: Icon. t. 12. f. 10. — summer under stones
winter among moss & dead leaves

× 4-notatus Pz 73.5 Dej. Ic. 12.9 Steph. pl 1. f 4. . . . . Apr: under bark of Oaks Norf: Dorset. Hertford. Essex. Comb Wr.
punctomaculatus Marsh: — Jan to Kensington Gardens. Kingham & in moss.
July Bark of Pollies, Scott.
30 May under mossy bark of Oaks, Gt Wort.

× melanocephalus Dej: pl 12 f 6. Steph. pl 1, f 5. Stur. 169 D. Jan to gravel-pits Coombe Wr. & under moss in many Counties
pallidus Sturm. — venustulus Spence — July May. under bundles of wedo Cockitlee 18 May 2 on a Gate post Gt Wr.
pusillus Sam. K.

× spilotus Dej: pl 15 f 6. — impunctatus Steph. — Apr. May nr London, Southchurch: abund; in ditch nr Sandown. I of W.
Sturm 170 C Cat. 231, car — Wan: Lawrence Waltham, Berks
obscuroguttatus Daft.

× quadrillum Dej: Ic 15.9. — humeralis Cat. Steph. B. — Apr. nr. London & Southend. Curtis ~~Hotton Leas. Dartford~~
Cam 170 — Devon Clifford & Pl. 7 June
B — m. Aug: Southend; not uncom. F. Smith 53.

B without wings. a Body oblong

fasciatus Pk: 3, 149 F. 2 ~~Dej.~~ Sturm 169. C. — ~~Gyll.~~ Steph. ~~bifasciatus Dej.~~ — Spring. Southend, Devon, ~~Willesden Green Bentley~~ & Pegwell Bay.
Sturmii Pab: Cat. Trans. 1. pl. 10 f 4 — Aug. Sept under stones on the sea shingle at high water mark
nr Ventnor. I of Wight. F

notatus Steph. p 22.9 — fasciatus Dej: Icon 1, 113. pl 12 f 1. — Spring Southend.
Oct: under pieces of wood on the beach Netley, Hants in abund. R. Spence

× linearis Oliv: 3, t 12, f 167. — Marsh — Dej. Ic. 12.5. . . . . Ob. May Hedges & under bark of Willows
Sturm 169. B. — Oct. Cromb W. Hants & in Bees nests Arran.

× glabratus Dej: Ic. 15.3. — Steph. . . . . under stones Hertford. sandy heaths Cobham & Southend
Sturm 171. C. — Cranford, Scott.

× femoralis Marsh. Steph 25.12. — nr. London & in Norf.
~~impunctatus Kby.~~
pallipes Dej.

6. Body short.

× truncatellus L. Pz. 75.2. — Dej. 15.8. — ~~bipunctatus~~ Mar. & May under stones, sandy & gravelly places nr. London & Norf.
Aug: under a stone I of Wight
3. May in abundance on a South bank at Guildhall S.C.

× foveolus Gyll. Steph. — punctatellus Dej. Ic. 15.7. Sturm 171. B — July under stones. sand & gravel pits. under bark & moss in
~~truncatellus Marsh.~~ — lævissimus Kby — the Winter nr London & Norf.
May. base of Cliff, Cockitlee in abund
Oct. in decaying Willows S. church Conx & Sept under stones Sandgate Downs

25 Lebia Lat. Bon: Curtis. 87.

crux-minor L. Pz 16.2 — Ol: Schaf. Steph. pl 1 f 6. — June, Lewis, Sussex nr. E. Hopley
Andreæ & ornatus Rossi — Dej. 13.3. — June under bark Lymington Hants, Brightwell Comb Wr. nr. Windsor & Bristol
Aug. under sorel nr. Netley Salop. High Bickington Devon. Combe nr
6. Sept: sweeping at Mickleham nr. Newman. Mr. moist meadow, Trenglos, Cornwall
May 13. 1841 beat out of hawthorn blossoms Combe hurst nr. Croydon. T. Ingall. P. V. Wilson

turcica F. Ol. Curtis Br. Cat. pl 87. — Dej. Ic 13.5 — Oakhampton Park, Somerset. under stones & bark

hæmorrhoidalis F. Ol. Pz. 75.6 — Dej. Ic. 13.8. — June on broom Netley. Mr Hope upon trees & under bark
6 June. sand hills Caister Mr. Williams

26 Lamprias Bon: Pang: Cat. 282.

cyanocephalus L. Ol. Pz. 75.5? ~~Dej. 3.86.~~ — Apr. in Primrose Grove, Camberwell, Dover,
Dej. Ic: pl 12 f 7. — Steph. pl 2 f 1. Cat. B. 8. 282 — June on the Broom Darent, Windsor, Netley, Ripley.
~~July~~ under moss on Oaks Lymington Hants. in the winter
Mar. Darlington York?
Reigate abund. swept Hypericum &c

Do the same as fasciatus Hb.) 7 ✓ Sigma Dej? Icon: 4115 f 6 Steph 176 — Apr. Dorking. Epping. under stones on heath opposite Shepphill, I. of W.
bipennifer Hab: Cat. Trans. 1. pl 10 f 3. — July, Bentley Middlesex Greer
bifasciatus Ste. not of Dej. 1 — 29th Aug under rejectamenta, Cardewgreen Carlisle J. C. Heysham

6-signatus Dej: Steph 5. 367. — Mar: Madingley wood Camb: Bab. Lord Spencer's park; Dorking; Colney hatch
Cat Trans 1. pl 10 f 2.
Sigma Ste.

Conquens Dej: Col. 2. 250. Steph 5. 368. — March bottom of sedge boats, Bottesham fen, Bab. & Whittlesea mere
Cat. Trans. pl 10 f 5. — July, Holme fen.

15 ✓ maurus Zieg: Sturm 171. D. Steph. 176. — N. Ripley, Dorking & Lawrence Waltham, Berks.

✓ 4-signatus Hob. Schaum says is numerus

27th Aug: 42 Knoted woods nr. Godalming, beating for Diptera, J. J. S. Off a Sallow, Loch Lomond, Logan.

Ephippium Ste Man p. 433. — Taken by Mr Johnson beneath rubbish at Zool. Gardens in the Spring. In Shuckard's Cab.
Taken by Mr Johnson beneath rubbish at Zool. Gardens in Spring in Shuckard's Cab.

coadunatus Dej: 1. 210. Stt 5. 369. var of homagrius. w: London Stt.

axillaris (Fab: not) Stt 5. 368. var of humeralis w: Darking, Mr Waterhouse

1. basalis Gyll. Sturm 166. B. Curt B. 8. pl. 235. Apt. shows of the Dees Yorksh: L. Rudd, on Ayton Moor
punctata Bon. Dej: Cole. 1. 214. beneath stones Midgley-moor nr Halifax
humeralis Pk. apt. near Halifax Yorksh. Mr E. Dobson
scapularis Ander: Ben-na-muich-duich, Aberdeensh: & many hills in S. & W. of Scotd W. L. W.

immaculicornis (Dej:) Stephens is crepitans

nigritarsis Steph. 29. 2. — June off the Broom Windsor & Dover
13 Aug: under a stone on Box hill; & in a wood w: Arundel Mr. Stevens rare.

× chlorocephalus Ill. Gyl. Dej: Ic. pl 12. f. 8.
cyanocephalus marsh. Dar. 3. 86. Pz. 75. 5. — May. upon Broom Epping Forest, Darent & Norf. under flags under Bark Comb. Mr. Plumstead w: Kent.
in June w: Newcastle & Knaresbor. 12th out of Broom, Dinmore hill, Leominster Banks of the Trent in grassy meadows, P. Wollaston.

rufipes Dej: Ic. pl 13. f. 1. — June Hants, New forest, under stones.

24 **Tarus** Clair:- Cymindis Lat. Dej:- Anomoeus Fisch. Cat. B. E. 235.

angularis Gyl. 2. 173. 2.- Dej: Ic: pl 12. f. 1.
var of homagricus — May, 7 under turfs Lyndhurst common, S. H. June Swansea & nr. Freshwater, Dorg. Autumn under stones Leatherhead & Darking in abundance Steph: Oct. Box hill on S. side under flints Mr. Walton.

laevigatus Steph: pl. 2 f 2.
var of homagricus — nr London & at Hammersmith.

macularis Mann:- Steph. 2. f 3 - (Dej: 1. 212. 13 not)
var of homagricus — from Marsham's Cab. & Mr. Edwards 13 Aug under homagricus on Box hill. J. S.

5. humeralis F. Dej: Ic. 11. 2. Steph. pl 2 f 4 — nr. Swansea & Cuckfield Sussex.

4. Homagricus Dej: Ic. 11. 4.
laevigatus Ic. var — 15 Oct. 1810 Wilchingham Heath Norf. under a stone in a gravel pit 13 Aug. abundant under stones, by Box hill.

20 **Brachinus** Web: Fab: Bon: Cat. 552.

Major d'Ammont found a legion in a dead snake, which they ate.

× crepitans L. Sp.- Don: 14. 486 - Pz. 30. 5.
Dej: Ic. 48 f 6. - Steph. 2. f 6.
immaculicornis Dej. var α — March Kent - Gravesend & Southend. Cobham Surry. Hertford. New forest. Sept. Leigh mouth Devon. Wales. Isle of Wight under stones. Oct. Isle of Portland. nr Slaughter under stones & Dies of fields on sand under clods of earth in ploughed fields. Apr. Southend. June Putham & Swanage. Sept. Isle of Purbeck; Chamouth, Leigh mouth & Dawlish warren. June nr Dover. ~~Ashburton Devon~~ under stones. July

explodens Dej. Cat. Dej: Ic. pl 8 f. 7.

glabratus Bon: Dej: Ic. pl 8. f. 8.

sclopeta F. Dej. pl 9. f. 2. - Steph. 2. 5. but not. Sept. Devon & Sussex. under stones. Margate Mr. Sowerby Dr. Leach 1824.

21 **Scarites** Fab: Sturm.

Beckwithii Steph. pl 3. f. 1.
v. laevigatus F. subulosus Sl. & Lat. — nr Dover & coast of Yorkshire. Beckwith & Swanwick

subterraneus F. Martyn. Col: pl. 38. f 46 — N° American.

30 **Oxygnathus**? Dej:

anglicanus Steph. pl 3 f 2. — found dead in the fields at Peckham.

31 **Clivina** Lat: Curtis 175.

Fossor L. – arenarius F. Pz: 43.11. – distans Mark. mar. apr. May. sandy situations under stones upon marshes after flood amongst reject.s Norwich abund.t Northumberland. Carlisle.

Collaris Herbst. Curtis Br. Ent. pl 175. sanguineo Leach — Apr. June. gardens Lambeth. Battersea fields & shore of the Thames Plaistow marshes Isle of Arran & S. parts of Scotland n. Carlisle

32 **Dyschirius** Perty: Leach. Curt. 352 Ent. Mag: Apr. 1834

nitidus Dej: Col: 1. 421. 9. – Steph. p. 21 n. 1. Ellaughtonensis Spence's Mss. thoracicus Ol. not Sc. — Yorksh. Norf. Rachills, Dumf.s & Dollar, Scott.

thoracicus. Pk. Syst. F. Ol. Pz. 83. 2. Ellaughtonensis Perty Ent. Mag. — May: Cliffs Corbettha Dorset. a pair in cop: 16 July Cliffs Chiswick Mr. Sides of Ditches Hextown & Morecambe marshes

politus Dej: 1. 422. 10. Steph. — May Norf: & Suff.k sandy situat.s n. & shore Ent. Lucombe & Shamblin. J. F. D.

cylindricus Dej. 1. 423. 11. Steph. — Swansea mine rubble, sea shore & Norf.

thoracicus Pk. arenosus Leach? Steph. 22. 5. — Brit. Mus: n. Chesil Beach, J. F. Dawson

digitatus? Dej: 1. 427. 18 Steph. — May Cliffs Corbettha

aeneus Fieg? Dej. 1. 423. 12. Steph. — June: Walham-green: bank of a pond, in the cracks, n. Belfast on a hill, Mr. Halliday. May with D. politus J. F. D.

tristis Steph. 43. 8 f — Bedford & Wimbledon common Eastern Coast of Scotland, Sir R. C. Keyham

gibbus F. Ol. 3. 12. f. 16. Pz 5. 1. – remotus Mark. 173. 109. — Winter in Norf. Sal: moist places Battersea & Norf: where plants in Spice Bottles edges of heaths n. Carlisle. R. C. Keyham n. Belfast. Bordeaux J. C.

33 **Ditomus** Leach Steph. – Ditomus Bon: Dej. aristus Fieg:

Leachii Steph. pl 3. f. 4. – fulvipes Dej.? — June borders of Dartmoor Devon

11 **Cychrus** Fab: Sturm. Steph: [illegible]

rostratus L. F. Pz: 74. 6 – Dej: 1. 504. 2 Sturm fab 53 – Caraboides L. – coadunatus Dej — May Pathways & Woods – Coxtessey Woods Norf, root of trees, under Moss & leaves in damp places, Coombe W, – Farnwood, Kingsbury Devon, & Scotland. Belfast. Mr. June n. Ashburton Farnetshane Aug: In the Spring amongst dead leaves in Wet coverts & under decayed of faggots.

12 **Carabus** Linn: Sturm Fab 55. – Tachypus Weber Curt. B. E. 426

A Elytra not sulcated

intricatus L. Dej 15. 526. 1. – cyaneus F. Steph. pl 3, f 5. Pz. 81. 2. — under a stone in a wood, opposite Gorthorn Lady's grove, near Tavy below May, below Tavistock, Ashburton, in woods probably under bark Aug. 36. n. Holsworthy, Devon H. Holme. Horsley downs, J. Smith.

caterulatus F. Pz. 4. 6. – intricatus F. Mark: June: Heaths Norf: & mountains Cumberland, Wales & Ireland, Scotland. in Oct. Isle of Wight 23 July Mangerton 24th banks of the Tavey. Shingly land & in midland counties.

Leiochiton Cust: B. E. 346. Miscodera Esch.

{ 1 arcticus Pk. Gyl. Dej: 1. 420. 8
{ 2 Rendii Cust 316.

June, July Aug: under stones & tops of Cattan, A. Murray & Thompson Scott?
Moffat Hills, Dumfries-shire, Mr Little
under small stones on mounds of sand & moss Cold-edge moor
Halifax: n: Darley: Rosberry Dobpuing n: Cleveland & n: Daby 350

found with the last.

Esch. micans Cust: B. E. pl. 304.

crassus Steph 1. 178. Zool. Journ No 12 p. 500.
same as hirsidus Mr: Halliday says.

Banks of pools n: Holywood, county Down

Stephens
the name of
Gyllenhal

rufipes (Dej: 1. 428.) Ste 5. 369.

n: London & Carlisle Ste: Muddison Cum:
b. Aug. coast of Solway Firth

fumetatus (Dej. 1. 414.)

Aug. coast of Sussex & the Isle of Wight.

fulvipes Dej: 1. 425.
my friend Schaum says

May coasts of Dorset & Suffolk at Lowestoft & Bawdsey in cop:
Amenidus the Cliff, a few only

fuscillus Dej. 1. 426.

Shet. Norf. Lecoast of Garbole: sea beach n: Formby.

minimus Cust. B. E. p. 352.

Norf: with D. gibbus. Whittlesea mere?

Key unit a sound. under Cat. Mag. 1. 213.

Beech, Fontainebleau. under moss at base of Oaks in Feb: Wollaston

Schinkerni — 1822, 3 on Ben Lomond, A. Melly; Ben Lawes, D. Leach.

. consitus Panz. 108. 3. — June, nr. London; Hamletcham, Kent. in July Dover S.C. Mar: under reject, Pegwell Bay, Daws: 6 Aug. 52 rev. q under stones, Dover.

exasperatus Duf. Mus. 3. pl 63. a. Jenn. pl 57, 3. Curt. B. E. 246. — 23rd June 41, Dole of Portland, under a block of stone near a Quarry

purpurascens Fab: — Mr Saunders at Weymouth

hortensis L. — gemmatus F. — No of England. Ste.

The Larva & beetle clear from forests of Lepidopterous Lar. as the Pheir funestis, Dendrolimus Pini &c. coming great ravage in Silesia
24th June 41, 3 on shores of Dorne Bay. 16 Jan 52 found a stone. Bonchurch I of Wt Guyon.

Carabus

Lippii Dahl. Dej.
agrestis Oreutz: 12 f 15. Ent of Steph. — May Lincolnshire in Brit. Mus:

monilis F. catenulatus Marsh. — April & May Gardens & Pathways near London, Dover & Nor. & ~~conitus Pz. 108.3.~~ — Nov. Harrowgate Yorksh. Sept. ~~Dec. under bark & wood of Willows~~.
no wings J.C. — c. Sept. Sandgate.

granulatus L? cancellatus F. ~~Ill.~~ Pz: 81.6. Steph. — April & May Gardens & Pathways, every where. Ireland. Scotland
granulatus L Marsh. Dej. 7. 222.3. — Dec. under bark & wood of Willows.
J.C. - wings rudimentary. J. Holme; acid fluid. — July by Lungarriff & Castel Connel
Aug. nr. Oxford & prey on young toads; J. Holme.

cancellatus Ill.
granulatus ~~Ill.~~ Steph. pl 4 f. 1. — Spring in a chalkpit nr Gravesend. Sugden

arvensis F. Ent. Transl, pl 7. f. 2. Pz 74.3. 81.3. — June Epping forest roots of trees. Wimbledon Com: — 6 July. New Forest, Devon, Isle of Anan. Mountains Westmorl. nr. Ambleside & Scotland. Heaths, Ireland, near. on. June Ancliff Blender Mt. Wolton. 4 June Cranberries

violaceus L. Dej: 7. 222.1. Pz 4.4. — June Roots of trees, under stones, gravel pits &c. July. on Ot. House; Niton. 6. Sept. Acton Court & in abund: in the Regent's Park coming out at night after rain: abund in St Giles's Fields, not so in Oxford. It prefers no Carbonaceous Herbivorous in Houses (J. Holme)

glabratus F. Dej: 15.506. Ent: trans: 12 f 2. Pz 74.4. — June Mountains Ambleside among st long grass. 9th Clandon. July Ireland, Scotland J. C.
5 July, Sugleborough after a storm, they had worms in their mouths Aug: moors bet. Blair Athol & Loch Tay, Douglas.

convexus F. Steph pl 2. f 2. — Longmoat Forest Salop. Hope
Sept. 36. Winslanley Hall, Lancash: J. Holme.

nemoralis Ill. hortensis F. Marsh. nemoralis Pz. 5.2 not of Linn. gemmatus Dej. 7. 222.2. — June Gardens Norf. near Lakes, under stones & dead leaves, also in Scotland & Ireland.
in the spring at Oxford, in hundreds crushing on f. Apothecin Apa. & May. 5 Aug. Hampstead & Dover: all old specimens, J. C.

Beliphra cultrata

clathratus L. Dej: 15.526.2. — Pz. 75.1. — April. In drills Halvergate Marshes Norf. Scotland & coast of Ireland.
July Sutherland sh. Sir. Wilson under peat heaps. Glen Castle, Ency, & Mays. abund: in Mull & Hebrides, Murray.
nr Dover. A. Griesbach who says it was auratus & showed me the specimen

auronitens F. not British.

auratus L. Steph. pl 3 f 6 — May & nr. Exeter & Devon: nr. Dover.
destroys Melol. vulgaris when depositing her eggs. Aug. nr. Canterbury in Mr. Wales's Cabt.

nitens L. Dej. Br. M. tab 27. Dej: 9. 313. Pz 85.2 — May Hurn & Pool Heaths Dorset — Durham — Yorksh. — New Forest & July. very moist places on Mountains Ambleside Northumberland & nr. Carlisle & as far north as Kinnordy nr. Belfast.

13. Calosoma F. Weber. Fam 66 Curtis B. E. 330 o

Sycophanta L. K. & Sp. pl 1. f. 1 q. Pz 81.7. — June Norwich — Aldboro' Suff. — Dartmouth Devon. Coast of Wales & Ireland & feed on fresh fish invariably ~~on~~ the stones at Yarmouth 1838 and at Brighton. 20th June Ramsgate. Hastings both alive & dead. Herne wood bet. Herne & Canterbury 1843, 3rd Brighton &c.
Larva Ent. Br. 1. 235 pl. 23 & 24
Reaum. v. 2, 455.

Inquisitor L. Dej: 12. 504. 1. — Pz 8.8. — June — Woods, Nr. Faith's, Norf. — Darent & Combe — Epping & Norwood — Devon & nr. Windsor — beaten from Oaks & in White Thorn Hedges & flying among st Oaks at Powerscourt by Mr. Sardy. Rev. C. J. Bird, nr. Burghfield
May June 400 one day of oaks & hornbeam timber cut with Hedge, Hainault Forest E. E. Norman

14 Nebria Lat: Curtis B. E. pl o:

complanata L. Dej: 12. 488. arenarius? — May. under wood & stones on the shore of the Bristol Channel 1822 Sept. at high water mark; Brean Down, Burnham & Weston super mare Somerset & Lincolnshire.
sandy shore of the Sea

Nebria Lat. Curtis

livida L. Br. Cut. 1. 6. – sabulosus F. — Aug. 6 or 7 p. m. Bridlington Quay Cliffs the mud cliffs they swarmed Bartlett
no of Lin: Cab. — Pz. 31. L.
Lateralis Fab:

fuliginosus F. Dej. Pz. 92. 1. Steph. fol 4 f 3 — 28 Sept. 1842 under a stone side of river Hamleyn Hilston at Hull
in June d.o no sea shore Scarbro' close to Cliff at high water mark
11 Sept. cliff at Cromer Nor. J. B. Giles, & Trimmington Cliffs 2 July 1832.
16 May a few under masses of cliff they have fallen No. of Cromer & Bray &c.
Ashburton Devon & Longmoat forest Salop:
sides of rivers & sandy Lakes ~~Steph.~~ Dej:

15 Delobia Curtis. Steph. Nebria Lat. Sturm 67.
fl. 103.

brevicollis F. Pz. 11. 8. ruginarginatus Mar: — Mar. Under stones, sand pits, roots of trees every where
June 23 July in plenty under stones on Mangerton, but they are rather small & marked
Aug. Amat & Skye
2 July nr. Thetford
Lawn in garden paths in winter: pupae & Feb to pa. app: Blossom in Jun. S. E. 6. 73
Marshallana Steph fol 4 f 4 — 5 July near & at the summit of Skiddaw fl. 1. n. 2
arctica Dej. v 2, p 235. — under Slate.
9 June Llanberis
Cyclocephalii Sch: Sturm 5, fol. 68. Br. Cut. var. 3. 103. — 21 Mountainous places & sea shores Sco Rand
on Ben Lomond, Mountain No. Ireland 3300 feet high Mr Haliday
Jul. Schehallien & Craigcallock under stones
near springs, in black peaty soil 1700 feet high at Belfast Mr Stelli
in Aug. and Sept. under stones & dry mud of Mangerton
Heegeri Dahl: Dej: 2. 238. Quinquecirrata New Cut. Sturm 1. 285. — July Ben Voirlich & Ben Nevis Mr Walker 1827

16 Alpæus Bon.

castaneus Bon: Steph. — May Dr Leach nr Ashburton Devon
under stones

17 Leistus Fröhlich. Clair. Bon. Sturm 70. Curtis. Pogonophorus Lat. Manticora Dej. Pz
f. 176

spinibarbis F. Mar: 127. 30. L. (Sturm 70. — May June. Sandy situations, & quickset hedges.
fallipes Pz: 89. 2. cæruleus Lat. — Aug. Sept. under stones & dry leaves in woods
in Oct. I. of Wight

fulvibarbis Agg. Dej. Br. Cut. 4. fol. 176. — ⊙ Lewington Gardens, Battersea field, Glanville's
rufibarbis F. Raulinii Sam: — Wootton, Cambridge & Damp woods
Oct. base of Willows 2nd end. May under bark of a stump Bingham Mr. Wooton
montanus Nob: Steph fol 5, f 5. — 5 Jul. 2 under slates summit of Skiddaw J. C.
in Sept. under stones 2 thirds up Cadair Idris Menaeth Mr Walker
23 Feb. under stones summit of Mangerton Mr Hal.

spinilabris F. Pz: 39. 11. F. brunneus Mar: — Apr. sandy places
nr June Marchant. & June Corbiller
On birch & oak Pell.
rufescens Sturm. fuscoænea Pz: 89. 3.

rufescens F. Lat. Mar. terminatus Pz: 7. 2. — Spring sandy places. nr Lewes
Jræustus F. — July Sutherlandshire Dr Wilson
23 July Mangerton
June about in Damp woods nr Gainsboro'

18 Loricera Lat. Sturm 72.

pilicornis F. Mar: Dej. 11. 367. 1. Pz. 11. 10 — April, May, roots of grass gardens & Mag.
ænea Lat. — it hybernates amongst mosses &c

Cata New: Ent: Mag: 1. 284. var of Burrellii	In wood near Cork.
variorum New. E. M. 1. 285. var of Jo.	com: w: Nottingham Dr Howitt.
Ethiops Steph. 179. is Gyllenhalii, var.	Midgley Moor near Halifax
Nivalis Pk & Dej: var: rufipes Ste	Hang under Stones at the summit of Goatfell & near the base with E. Gyllenhalii. N. Summit of Ben Lawers.
nigricans New E. M. 1. 286 black var of spinibarbis.	n: Manchester. Hobson.
Janus New E. M. 1. 286 minutus fulvibarbis	N. of England abundant
indentatus New 1. 286.	Crome & Marsh. L. Redd.

Panagaeus Lat: Sturm 73.

69 Trimorphus Steph: p 180. Badister Bon: Dej: Sturm

scapularis Steph 180. 1.
dorsiger Duft?
sodalis Sturm? 3, 76. B. humeralis Bon. Dej:
confinis Steph 181. 2 pl. 9 f 5. humeralis Sahlb.

Mar: w. Carlisle on a woody bank. roots of ash trees
Feb: under moss. Mar: & I. C. B. in Moss in Monsall Dale Rev. I. Dey.
apr: Earl's Court w. Brompton Plentiful in moss, Shuckling Copse.
m Oct. 1 at back of I. of Wight immature
May. grassy banks Battersea fields. Dampwood, Leicestersh.
July under stones Darent.
Norf. & Lock Awe
w. London, I. Sugall.

Cyro New. P.M. 5. 489.
pettatus Ill.

67. lacertosus Kus? In Mus: D. Dale

microcephalus Ste. 5. 373. is a var of bipustulatus. Apl. w. London Ste

Given to Mr. Dale by Mr. Brightwell

19 Panagæus Lat: Sturm 73

L-pustulatus Sturm 73. p. Steph pl 2 f 6. — May. June. Gravel pit Coombe-wood July, stones & clods of earth Hartford in a cornfield

crux-major. L.- Don: 14. 277. 2.- Pz 16. 1. — Feb. Mar: beneath bark & at roots of Willow Trees, Cow Fen
bipustulatus Oliv: Sturm 73. a. — apl. Camb. & Downing Nor. roots of Poplars, Netley.
beneath stones, bottom of Wheat sheaves Norf. sand Pits Bepley
1st Sept. streets of London S. 6.

57 Badister Clairv: Lat: Sturm 75. Lycinus Lat.- Amblychus Gyll:- Curtis B. E. 77.

cephalotes De J.- Curtis Br. Ent. 3, 13 f. — Mar. Darnel, Birch & Coombe woods, Sprotes hill
megacephalus Kr. — apl. under bark of old Willows w. Oly Brompton
Battersea-fields & Steph. Wittersham Kent.
Winterbourne Stoke, Wilts

bipustulatus F. Don. 15, 516.- Pz. 16. 3. — Apl. under stones Norf. May d.
Aug. 7 Sept. 3 June d. Isle of Wight.
beneath bark of felled trees.

suturalis Steph: pl 5. f 1 — w. Hartford? Steph:
unipustulatus Bon — Mar: w. Winterbourne Stoke, Wilts.

66 Licinus Lat: Sturm 74.- Curtis B. E. 75

Jan 23. 3 under a stone Leigh Down w. Bristol, J. Barton.
depressus Pk. Gyll. Curtis Br. Ent. 2. 75. — 3d Sept. Leith Hill w. Dorking Surrey under stones
Cassidens Ill.- Cossyphoides Duft. — 5th Nov. Mousehold Heath & near Monvil in gravel Pits
Sturm 74. a? — May Nov. 11th Oct & on sand, sunny hills, Sandwich. Box hill Jan & Feb 1832 & 33
sunny out buds Nov. when the sun shines upon Sidbury Hill w. Andover
Aldborough 1824 Rosa & Brit Mus.

Cassidens F. Clairv: L 16 f a.
emarginatus Ol. Lat.

Silphoides F. Sturm 74. a.- Panz 92. 2. — in Aug. 8 Castle Hill Dover - Battersea fields & London
Steph pl 5 f 2. — 1820 2 d. under stones chalky places near Black Gang Chine, or under Cliff
3d Sept. under stones Leith Hill w. Dorking in plenty
2. Oct chalk, amplex Box hill 1832 & 3.

54 Ephonis Bon: Pz: Steph p 75.

circumscriptus Duft. Steph. pl 5. f 3. all 6 B.S. — They are all equitlafer specimens in Steph Cab.
cinctus Martyn pl 38 f 39. Marsh. — marinus & Brunellens Cab. & Dawotts.
Meadows Netley; Hope - w. the Cape of Good Hope

55 Chlænius Bon: Panz. Sturm 124. Curtis B. E. 83.

A With the thorax broader behind than before

vulcicollis Park.- Curtis Br. Ent. 2. 83. — dead Cowchiffe Suff. 6. M. 6.
Sturm 2. 3. pl 125. B.

× holosericeus F. Steph. pl 5 f 4.- Pz. 11. 9. — 1 Aug. under a stone at edge of diff w. Vauxhall & W.
June. Skrimshire Nor.
Ellesmere Lake Salop.

nigricornis F. Gyl. Pz. 11. 9. b. c — ( ) Battersea & Copenhagen fields Whittlesea Mere
apr. moist banks Drayton Norf. June Mere, Inert. Clay pit
6 July. Dunegundesa stone, side of River: submerged in sheets of grass in the water
J. M. Bates, Leicester. Plentiful on water plants by the Stone in April w. Sudbury.

melanocornis Leig. Steph
July 1 at Whittlesea Mere

fulgidus Steph pl 5 f 5. immature car: — 1 at Whittlesea Mere

Agronum Ol. Steph pl 5 f 6. Ephonis cinctus Fam: — June July w. Plymouth & Bristol in fields, w. Matlock Derbyshr.
Southend.

B With the thorax alternated behind

vestitus F. Pg. 31.5. Ol. 3. f5. f29. — Mar. Woods damp banks, beneath stones, in gravel & clay pits
b. Aug: 3 f. base of Cliff. I of Wight.
June, Hamstead.

xanthopus Steph. — Swanns nr. Cab: Mr Newman
allied to b. orientalis Dej. or cobaltinus.

63 Callistus Bon: Curtis Pg. 180.

lunatus Fab. Curt Br. Ent. L. 180. Pg. 6. 5. — Don. 5. 530. — b May under flint stones on a chalk bank, nr Sittingbourne, Kent.
m June under a flint stone, in cornfields &c near Bombay
Oct. Dover. Leith-hill. Reigate Hamd: Power.

62 Anchomenus Bon: Sturm 129. Dej. 3. 132.

fraxinus F. Pg. 16.6. — Mar. under Moss & stones in hedge banks, & under bark
viridanus Ol. 3. f5. f53 Marsh — O it cracks like the Bruchini
Oct. under bark of Willows & dead.

albipes Ill. F. pavidus Pg. 73.7. — Apr. O Damp banks Battersea Park &c
May
June
Aug. under stones base of Cliff I of Wight
pordidus Marsh. circulatus Marsh.
pallipes Fab. Dej.

oblongus F. laniatus Pk. Pg. 31.3. — July under the bark of a tree Bottisham fen
obscurus Fabr. elegantulus Marsh. — Aug. Battersea fields. Marsh nr Norwich & Waltham Berks
Oct. under a stone in a Brook at Ingway Devon & Alton
Mr Jone, Bow Dilton nr Camb: Mr I. Hanson. Roots of grass

61 Platynus Bon: Dej. — Anchomenus Sturm 130.

angusticollis F. collaris Marsh. — Feb. Roots of trees Epping Forest. Coombe wood
affinis Pg. 73.9. assimilis Pk. — Sept. Kensington Gardens & Devon. June New Forest wet of Willows & under a tree
scrobiculatus F. — nr Ashburton Devon. Leach. Brit Mus.

59 Anthodrus Clair: Bon: Sturm Dej.

Lenothalmus L. flavus F. Clair. Pg. 11.2. — cellars, outhouses & stables, living perhaps upon Blatta - Under rubbish & bricks.
Spinipes Pk. Sturm & 128. L. a. m.

60 Pristonychus Dej. 3. 13.

terricola Pk. Oliv. 3. f. 11. f. 22. Pg. 30.3. — cellars outhouses & houses roof & land.
subcyaneus Ill. Gyll. Schö: Sturm 5. 107. 2.

58 Agonum Bon: Curtis 183. Dej. 3. 132. Pg. Gyll. 2. 154. Sturm 132.

A the thorax nearly orbicular

marginatum L. Pg. 30.12. Ol. — June Battersea fields & marshes & Sens Norf. Camb: under the
July bank of Willows, usually where wet

sexpunctatum L. Pg. 30.11. Sam. fl. 3. f. 20. — May. Leaton Wood, Bedingham Norf. Pl. 12. running among st nettles
July Coombe nr: Battersea fields, Hertford. Epping forest
April Hainault forest. Stokes Pogwell bay, Devon.

austriacum F. Curtis L. fl. 183. — nr: Kingsbridge Devon, Crauch
modestum Dej: — Cogges nr: Berkley Castle Gloucestershire. Hope

Erected Rev. Thos. Fraser, Pr.
supreme Jay & Dej:
fulgens Ne

in Mentis Tops of the Moors at Halifax. Rev. Reade
& Paisley, rare M. Young

harumpunctatum F. Pz. 92. 4. *caerulescens* Marsh:	Apr. Under stones & in Moss in damp places May
phlicicolle Nicolai. Step. is a deformed var	June Aug: Pea fields July. N. of England. Weaver 15 June Brierley w. nr Leominster.
vidnum Ill: Pz. 37. 18. *vernale* Pk.	Battersea; Copenhagen fields; Moss; 30 Apr. muddy sides of Ditches. Willow meadows
versutum Sturm Cat 132. A.	near London
laevicollis Dej: Steph	nr London & Swansea
emarginatum Gyll. *Cosmo Curtis*	Battersea fields, borders of Wattlesea Mere Netley Salop. Dudmington Lock.
moestum Duft: Sturm. t. 132. B.	Coombe-wood Battersea fields. nr Bristol & Shropsh.
afrum Sturm: t. 132. A. Car: *afer* Duft.	nr London, Bristol & in Moss
Bogemanni Gyll. 3. 697.	Dr Leach.

B with the thorax suboblongovate, posterior angles sometimes rather acute

L-fumetatum Dej. Steph. fol 5. f. 1. Oliv. 3 t. 4 fig. 13 L. 58. a. b	July. Cumberland Weaver
consimile Gyll.	Maiston Marshes. Battersea fields & Salop
atratum Duft. Sturm t. 135. A. *nigrum* Dej:	nr London. Dalmeny Park
cursitor K. & Step. 91. 16.	nr Sparrit & London
micans Nicolai. Step. 91. 17.	nr London & Swansea Sold. nr Exeter, Bt.
fuscum Linn: Cab. Step. 92. 18.	Apr. 1810 Hanning Moss nr London & in Shropsh. Dalmeny Park.
Simsoni Spence. Steph. 92. 19.	Apr. moist banks, Battersea fields, Netley Salop & Bottisham under bark & at roots of trees.
pallum Duft. Steph:	Devon. nr Netley Salop. nr London. moist bank of Willows, water-meadows Winterbourn Stoke Wilts
striatum Step. 92. 21.	Neighbourhood of London

fuscipennis Nicolai. Step: 93.22. — N. of England

fuliginosum Knoch. Steph. 93.23. — Battersea fields, & Comb. W.
Sp. 88.5.

fuciforme Fab. - lutescens Panz: 30.17. — apl. marshy places Norf: Whittlesea mere; near July London & Salop, moist banks.

gracile Sturm tab: 136 A. — near London

fulvidrum Pk: Gyll. - Sturm tab: 135. B — under dead bark Whittlesea mere
Thoracicum Dej. — N. London & Norf: Kachills, Lumpwood.

affine Steph 94.27. — Sam. B. abund. at foot of a tree Christchurch Meadows, Oxf. & Holme.
fulvidrum Pk. — Norton on the Green Matthews.
fuscum Dej.

fuscillum Steph: 95.28 — N. London

livens Gyll. - bipunctatum. Sturm tab 133, b. — Aug. Norf., upon a maple-tree Bognor & Hastings
B. Mannerheim Knoch. Dej. — Sussex & N. Brighton

57 Odontonyx Steph. 96. — Oliothropus Dej: 3.176. — Aconum Bon: Sturm
dentipalpis Dej. — claws simple

rotundatus Pk. f. Pz. 108.4. Gyll 2, 15.8. Steph. fl 6. f. 2. — 2. July, Sandgate. 8. Aug. Box hill. & Norf. in Birch w.
octropus Mar: 471.106. — 6. Sept. corn fields, under stones & dead leaves Norf. Suff. I. of W. & Salop. & N. London. N. Halifax & Carlisle
2. Sept. under a stone Willoughby
rotundicollis Mars. 471, 105. — Mannerheim Cab:
Wiggsby Moore N. Halifax. N. Carlisle
6. Aug. under clods, under cliff I. of Wight & Kent
N. Cumberland & Northumb.

56 Lymnichus Gyll. 2.77. Steph. - Saphria Bon: Dej: — Agonum Sturm

vivalis Ill. - nivalis Panz: 37.19. Sturm: 5, 215, 22. — apl. moist banks Coombe Darent, Norf. & North.
in July Dover
in Aug. under stones Lucombe shore.

53 Calathus Bon: Curtis 182.

A without perfect wings.

a. Thorax attenuated behind, with the posterior angles rounded

Amphagonius Hal in Sm. Eng. Fl. 175

fuscus Mar: - Steph: fl 6 f 3. rotundicollis Dej. 2.42. — Feb: hedges Coomb. W; at Bottisham, in Devon & Norf.
442. 32 — July, Birch w.

b Thorax broader behind, posterior angles rather acute

melanocephalus L. Pz: 30.19. - Don: 11. 480 — March hedges & beneath stones every where
apicalis Mus. — immature var. — Sept moist banks, roots of trees Norf.
in Oct under stones N. Devon

Robert Dyke

Wally under Tower on Downe, Euston x.d. x. Thetford. N.th. Woodner forest. and heath
Pane x. of Holland

Nubigena Hal

microphterus Duft.
microcephalus Dej.
glabripennis Stum
melanocephalus, v. β Cyl.

vernalis Dej.
unomarginatus Cast. B. E. 666. 8.

on Lieble Donard Mt. Island 3300 feet high
Mr. Haliday

Forfarsh. Aberd. Perthsh. &c

Hab.
Galloway & Dumfries

Cisteloides Ill: Pz: 11. 12. – frigidus F. Sturm fl 121. – fuscipes Gmel: flavipes & obscurus Marsh:	June m. Aug: Damp hedges every where: under stones & bark b. Sept. of trees Pupa found in cell of Andrena albicans & bred by R. H. Meade, Esq. 51.3220
latus Dej:– Curtis L, fl 184 pumilipennis Germ	26 May salt-marsh & copse, river Lary nr. Plymouth 11 June
crocopus Hoff.– flavipes Pk. Duft: Sturm fl 122. A. fulvipes Dej: Gyll: not of Fab: 2,307, 2.128 fuscus Fb.	Sept: Darent: Cobham, Glamorgan & Devon Shore of Sea & nr Carlisle. Guillon Links. m. Oct under stone on Sea shore Ramsgate
fuscus Fb. Samliguus Oliv: 3, t 12, f 147. 1,1,158,150 Gyl. 2.126. carabus alatus Fab.	May N. & S. Wales, on the sandy shores Wrentham
B. With wings	
rufangulus Mar: Sep: fl 6, fl 4. ol. p. 100. 241. 23	June, Hedges Darent Lane. Hartsham. Sept. under stones Suff: nr. Lowestoft Kessingland Mar: Sidbury Hill, Wilts. nr. Carlisle m. May I of Portland under stones opposite Passage House
mollis Mar:– littoralis Br: Ent. ochropterus Duft.	apt. sea shore Suff. Devon, Southend, Gravesend & gardens at Ealing. June Sept. m. May. I of Portland. Liverpool, under stones nr. sea, Dr. Solomon
5. Platyderus Steph: p 101.	
ruficollis Marsh: depressus (Pterost) Dej:	m. Aug: beneath moss at the roots of trees, Richmond Park Kensington Gardens & Norf: Suff: under bricks
55 Anguetor Meg: Steph: p 102. Curt N.E. 666	Sept. Sep. near Lam
A inquinatus ~~Meg~~ Sturm fl 116. C. inquietus Meg.	near London
vernalis F. Ill: Pz: 30. 17. – tibialis Mar:	June gravel pits & stony lanes near London b. Oct. sandy places under stones Hants. Bolton Esq. in Moss.
inaequalis Mar: 256. 65.	shores of the Thames nr. Gravesend & down the river Darent in the garden 1.8.1820.
Scaleoii Steph: 103. 2.	
longicollis Duft. Sturm fl. 116. D. Curt 666. negligens Meg: Dej: obtusus Sturm negligens Dej B.	May, near London & at Southend nr. Kew & Gravesend. Oct: under ejectamenta, near Hitching, Hants.
interstinctus Sturm t. 116. B. Gracilis Dej:	gravel pit nr. Hertford, Steph:
diligens Sturm t. 117. A. A.	nr. London
erythropus Mar: 261. 78 pygmaeus Sturm strenuus Dej.	apt. marshy & gravelly places nr. London crazy banks Sept. Devon Oct.
strenuus Ill: F. Pz. 38. 6. fuliginosus Gyll. diligens	May nr. London & in Norf: Suff: Lowestoft

fullus Gyll. — n. London & from Devon
Diligens Sturm tab 117, f. A var?

Anthracinus Gyll. — n. London.
Stur: 5.65.16.
minor (Suronia) Dej:

42 Pogonus Ziegl. Curt. Br. Cat. 47. — Raptor Meg. Platyoma Sturm

Burnellii Brit. Cat. pl 47. — luridipennis? Stur: 7.2. — May Ely, Salthouse & Stiffkey Norf: in the cracks of the mud 1820 J.C.
to Oct.
June ab. on mud beyond Sheerness: Stev:

chalceus Mar: Steph. pl 6. f 5. — littoralis Stur. 115.a — May to Oct. Shores of Norf: Glamorganshire, the Thames & Medway. side River Gaunt. Paget.
halophilus Stur: 10.1.

aeruginosus Steph: pl 6 f 6. — halophilus? Stur: 10.1. — May to Jul. coast of Hants n. Christch under rejectamenta Gardiner Newton Ely & under rejectamenta Parley heath J.C.D.
littoralis Duft: Sturm 115.a

51 Poecilus Bon: Curt. p. 187. Pauz: — Platyoma Sturm 120.

lepidus F. Pk. Steph. pl 7 f 1. var Br. Cat. 187. — May. Dorset, near Hertford, Norf, Hants, Devon
Ol. 3, f 11, f 18. — vulgaris Dej. p. Schaf. Sc. 13.6. — June. near Ely, Rot. & Warran. Chatham fl.

dimidiatus F. Don: 16, 565. Lugellani Ill. apl. P3 39.8. — nicolai F? — v crenato-striatus Steph — May to June. Sandy places & pits, pathways, mud & stones. Coombe Wood, Hampstead Heath, Kent, Norf. Gravel pits Lyndhurst.

cupreus L. Don: 16, 554. Pauz: 75.2. — May to Jul. Sandy & chalky places, pathways, roads, hills
a. caerulescens L.

rufipennis Steph 110, 4. var, or Spec. Nov: — N. of England, Scotland & Ireland, Bobbingham, Battersea fields, Norton, Kimpton Carlisle, Newcastle, Banks of Tay.

versicolor Ziegl: Steph. 110.5. — Springw: Southgate Mr Walker. South Cliffe & Parsons common in England, Wales, Scotland & Ireland.
23d June Barmouth Forest; all Black. & Vib.

punctatostriatus Steph. 111.6 a var of last. — near London.

52 Sogines Leach. Steph. 111. Poecilus Bon: Dej:

punctulatus Ill: Steph. 112. — May & Devon Dr Leach Brit. Mus: under stones 1824.

37 Omaseus Ziegl. Curtis 1. 15. Dej: 3. 260. — Platyoma Sturm.

A.

aterrimus F. Curt Brit Cat: 1. 15. d — Jan. 1822 crevices in bark of willow trees Downing Norf:
Ol. Pauz. 30. 12. — Sturm 108. 3. — Nov. decayed root & trunks of trees in sides of ditches &c. apt. on soft mud, basking in the sun Bobbingham Ren. Found muddy sides of ditches, Whitlesea mere & in mud among the reeds. n. bark in Ants nests.

7 rotundicollis Ste	in moss with red Fungus	Isle of Bute & Glen Lannak Lochs.
8 sulcatus Ste Punctata Dej. Spec. Col. 3, 270. 63		Welsh Mountains Ste
9 tetricus Hal. gracilis Dej:		nr Belfast.
11 minor Dej. Icon. Col. pl. 135 f. 2. Anthracinus Gyll. 2. 89. 4.		From the Mouth
12 Mielas Brunt. Dej. I. C. pl. 133. f. 5. Depressus Fab. Tetricus Bon: maurus Steu. pl. 103. 3.		Hamsb. in Britain:

Omaseus

B. a.

Bulwerii Steph. 113. pl. 7. f. 2. — near Dublin. nr. Belfast.

Orinomum Leach. Mss. Steph. 112. 3. B. 7. f. 3. — base of Ben Lomond. Moffat hills. 7 June, under stones & running in the sunshine near the summit of Red Skrees 8. Mountain Bath Cairn of the Dean 5 July. Selkirk & many dead under stones towards the summit. Mar. banks of the Dee Banks. July. Cumberland & Belfast. in mud among sedge, Whitlesea Mar. under rejectamenta Pegwell Bay, Dover

anthracinus Ill. Gyll. 4. 425 nr. 8. q. — July. Cumberland & Belfast. in mud among sedge, Whitlesea Mar. under rejectamenta Pegwell Bay, Dover

Nigrita F. Pk. Panz. 11. 11. atterminus Kirb. confluens Pz. 30. 22. var. — O under stones, & moss, sedge in damp places — every where

Lævigatus Steph. 115. 6. Cercollis Dufs. gracilis Dej. minor Dej. Carabus nidicolus anthracinus — nr. London. Battersea fields, Mr. Waterhouse July in mud among sedge, Whitlesea

rufifemoratus Steph. 115. 7. var. of lævigatus — nr. Belfast Ireland Mr. Halliday.

B

melanarius Ill. Sturm 39. 1. leucophthalmus F. S. Clen. A. Sta. 1109. B. nigricollis Steph. nigerrimus Sta. 110. n. — O under stones, roots of trees, every where

affinis Marsh. Mss. Steph. 116. 9. nigritarsis Kirb. var. — Marshams Cab.

96 Sterofnus Meg. Curtis L. 171. Molops Bon. Sturm pl. 103.

madidus F. Ahrens S. 2. K. A. 3. 5, 224 pl. 1. f. 45. B. crenulatus Leach. cœruleus Sturm 106. c. Dej. black — damp Houses every where Sept. foot paths. St Leonards the place winsomes. Also Spiders aquaticus. Flies &c. often infested with the Gadius

æthiops Panz. 81. Dej. concinnus Curtis Brit. Ent. L. 171. madidus Fab. Ent. Syst. — 7 June under stones mountains Scotland. Red Skrees & 5 Jul. Shi. Dam. & Godstone Surrey. June Lambeth. Bag wandering Goatfield Water in decayed Birch trees. Rutellis, Mr. Little

93 Broscus Panz. - Cephalotes Bon. Dej. 3. 226. Ent. Mag. 1. 92. — St Leonards in the sand. & they fly upon each other in frequence, B. Holmes Lat. 1. 271

cephalotes L. Bon. 14 pl. 284. Pz. 83. 1. Sturm pl. 99. vulgaris Bon. Dej. — apt to Sept. sandy shores & among rejectamenta from Northumberland to Glamorganshire & on household Heath nr Norwich. Isle of Portland Said into St Johns death

94 Stomis Clair. Bon. Sturm 138 Dej. 3. 233.

pumicatus Clair. Ill. Pz. 30. 16. tenuis Marsh. — m. May Coomb Mr. moist banks & root of grass Battersea apt Southend & Mr. under felled timber nr Bottisham May June nr. Milton I of W. My Garden at Hayes on Cabbage bed. m. Col. Bower

21. Patrobus Meg: Curtis 192. — Def: 3, 26. — Platyonna Sturm

rufipes F. excavatus Pk: Panz 32. 2 var β. — 23 July in dried under stones summit of Wrangaton m. Mar: banks of the Irwell nr. Manchester June shore of Thames near Battersea. Common to n. Norf. Essex, Yorksh. & Northumberland & n. Sept. Edinbro on Leible Donard Mt. Julands Mt. Nale Day

alpinus Curtis Brit: Ent. 4. 192 / septentrionalis Schö Mss. — 21 July under rock, near ½ summit of Craig-callach nr ½ summit of Ben Lawers, Mt. Little Ben Lomond &c

20. Pterostichus Bon: Curtis 5. 196.

fasciato-punctatus Jab: Pz: 67 9. — Devon Dr. L.

brunnipes Sam: mss. parum punctatus Def. — 29 May nr. Stonehouse Devon, in a marsh. 1st Jul. under a stone bet. Brickleigh & Shaw Bridge Devon 30 May & 8. nr a running stream bet. Crabtree & Ridgway. Leach.

elongatus Sam: Curtis Brit: Ent 5. 196. — Devon. Dr. L.

Selmanni? Duft: Panzeri? Meg. — 2d June under a stone river Plym Devon.

oblongo-punctatus F. Oliv: Panz 73. 2. (34. 12. Mus) — 26 May. salt marsh near the Lary Devon & nr Windsor near Bagley-wood Oxford, Mope, Leewood, Lincolnsh.

octopunctatus Mar: Steph: Il 7 f 4 (47. 39.)

macer Mar: heimanus Duft. Sta 111. 3. Steph: Il 7 f 5. — Mar. Apr. under bark of Willow trees Hackney Marshes roots of trees Greenwich Park. May under stones Southwold Denes m. Jul. clods of earth bank of the Humber 6. Aug. nr. Isle of Wight

38 Platyoma Bon: Sturm 109.

niger F. striatus Pk. angustior Marsh / leucophthalmus Pz: 30. 1. — Mar under stones Norf. roots of plants burnd places May. beneath dead leaves Coombe wood. Parley Heath. m. Oct. I of Wight 1 Aug Skye

39 Abax Bon: Panz:

Striola F. Pz: 11. 6. Sturm pl 100. depressus Ol. Marsh. — 6. Sept. Bark of Tree & under stones in ploughd fields May Dover & Isle of W. in Epping Forest. Northumberland Sum. Isle of Portland m. Oct. I of Wight

metallicus F. Pz: 11. 7. — 6. July ~~Dover~~ (1825) Greenhead Isle m. Camb. Stephens cop Mr. Hanley Cd. Hawker's Cov. of Long Parish Hants & Hants

50 Oödes Bon: Panz: Sturm 148.

Helopioides F. Pz: 30. 11. — Spring moist situations roots of grass Norf: Battersea & Hackney Marshes. Hants. Wilts & Whitlesea Mere nr. Carlisle July on mud amongst reeds

Sarum punctatus Bej. Col. 3. 322. 131

on Oct. Mr. W. Hewitson. It frequents dry woody Dells in the neighbourhood of Newcastle & has not been found in any other situation. Inhabits beneath stones, but very active when disturbed & tho' plentiful on 18 Oct last it had almost disappeared on 6th Nov.

Dalii Kyl: Rut. p. 216	Isle of Man; D. Sorell
Sumetsiollis Kyl. ib	v. Warrington
agilis Kyl. ib	v. Warrington.
N. Pectinsis Daws. Ann. M.N.H. v. 3. p. 213. Mar: 49. trionspidata Ste (nec Dej)	April Maybee in profusion among heaps of refuse left by a flood at Ryde v. T. Dawson

29 Amara Bon: Pang: Sturm 139. — Erich. 2. 82. Rylands in

aerata Lib. MS: Steph. 127. 1 fl 276. acuminata Park: vulgaris Ol. 3. 24, f 36. Eurinota Def: Sturm: fl. 143. f. B.	Autumn. Barham Suff. Gravel pit near Norwich meadows near Hertford, Ashdown coppe Wilts.
× eurynota? Ill: Pang? 237. 19. Def. Jem. 3. 239 fl 160, 1 a var. probably of aenea	b. Aug: near London & Southend. Brighton Sept: Bobsham
lata Sturm? 120. b. ingenua Creutz: Def: Gyll. 2. 123. subaenea Sturm 2. 123, a. liberius Duft. 2. 111.	31. May 22 Sept Portland n. London, at Southend & near Bobsham Kimpton near Andover 16 June 20 Bromer m. July Dover
similata Gyll 2. 138, 27. Sturm 124. 4 obsoletus Duft. 2. 116. Sturm 125 A.	frequent near London 22 June Sept Portland.
vulgaris L. Pz: 20. 1. Gyll. 2. 138. Def. Jem. fl 160 f. 5.	May frequent n. London
obsoleta Erich. 2. 85. ovata Fab.? Sturm fl 126. b trivialis Duft. 2. 116. Sturm fl 125. B.	4th & 5th May, not uncommon Warrington, P. Rylands. n. London
trivialis ~~Duft.~~ Gyll 2. 120. Sturm 125. b?	m. May Sept Portland & 3rd green corn m. July very com: Dover. e. June feeds on the coming fructification of Anigallis cyclodea. It feeds also on Corn Ehrw. & Zimm. A. 1. C. C. LIV.
nitida Sturm? a. b. fl. 122. b.	n. London & in Norf: m. July Dover
lævis Sturm elegans Ryl. Erich. 2. 216	n. London & Dorset n. Warrington
cursor Sturm?	com: n. London
bifrons Gyll. 2. 122. Def. Jem. fl 164. 1. aenea Stur. 126. C viridus Fab. P. S. 1. 201.	n. Hertford
aenea Gyll. 2. 123. Def. Jem. fl 163 f. 4.	Autumn n. London 16 July 20 Bromer
discrepans Marsh MS.	1 n. London
crassa Steph. 131. 12.	1 n. London
convexior Wilkin's MS. Steph. 132. 15	n. Norwich London & Hertford
plebeia Gyll: 2. 121.	very com: n. London. Rochilles

Amara

obtusa Steph: 132. 17. — nr London

latescens Steph 132. 18. — nr. London

laticollis Steph 133. 19 — nr. London. Hatchett's Cab.

communis Fab: Pz. 20. 2. dispar Park — very com. beneath stones & in gravel pits
Sturm 6. 29. Dej. Icon. pl 161 f 3. Gyll. 2. 125. — 2d June Darent. & Dover abt. near London. It feeds on Cow Turnip.

familiaris Creutz. Sturm 127. 4 & Gyll. 2. 125. Dej. Icon. pl 161. 6. — beneath stones & in gravel pits nr London
cursor Sturm pl. 126. 2. — It feeds on Cow Turnip.

lucida Duft: — nr London

erythropa Marsh Mss. — Hampstead Heath

atra Steph — nr London

filialis Park. Gyll. parvicollis Duft: Sturm pl 127. 3. Dej. Icon. pl 162. f 2. — June nr. London, Norfolk & Manchester. Rocky hills nr Leicester.

infima Duft: not Gyll. ~~granaria Dej.~~ — Norf. & nr London

28 Bradytus

consularis Duft. Sturm 139. 4. — near Abt. Copenhagen fields & Wilm. June Hamelsham.
crassus

africanus F. Pz. 20. 3. par. Marsh. — May & c sea shore, gravel pits &c July
torridus & immature

fulvus Dej. Steph — Sturm 139. 3. N. — neighbourhood of London
Oliv: 3. f. 2. f 156. — sandy places nr. beach, Ryde

fulvus F. Pz: 39. 10. ferrugineus Latr. Pk. Steph. Marsh. 220. 21. concolor Ol. — Abt. sandy places & under stones in Marshes. 13 May 24 under a brick on sandy bank Lovelithe, 30. July, Birchow. 6 Aug. Little Hampton.

marginatus Cart. Guide Ann. Nat. Hist. v 5. 274. complanatus Sturm 88. 4 — Patricia Creutz. | Dej: Icon. 5. 502. — 13 Aug Borhill Mt. Walton & J. C. Boice of Heath, Burwicke. Sandy

septentrionalis Cant. in Ann Nat Hist. 5. 275 Kennedy? Miss Lyell

spur at apex of tibia outside is bifid pad at base M. A.

4 under tibia hairy inside

2 do. do. 5

Amara?

46. Masoreus Zieg. Cust. B.E. 287.

luxatus Dej: 3. 537. Step. 2. 137.

Dale, Isle of Portland

24 June under Stones on sand, at the landing of the waste near the ferry near the Chesil bank. They are very active. J.S.

Mr. Stegall, Bury

47. Curtonotus Steph. 138.

convexius culus, Marsh. Steph. pl. 3. f. 1. — e June upon plants Bognor. Under clods banks of Kimmeridge Barton Lincolnsh. Hedges Darent. w. — w. Southend. Shores of the Tees. Under stones S. of Portland 1st July Newton Valence.

aulicus Ill: Pz: 38. 3. spinipes L. Ol: vulcanus Delj. — June Trees Combe. Thistles sea shore Broughton Hedges & banks. In rotten trees & cellars
convexus Marsh. bicolor Pk. fucca. Fin — e Aug. on Thistles, Steep 16th 52, 2 on thistle, Bere-w. Dover.

45 Zabrus Clair: Bon: Curtis B. E. 188 Dej. 3. 220. Germ. Mag: 1. 10.

gibbus F. spinipes Scop: Tenebroides Pz: 73. 8. — July. Low Umbellate plants w. Heron Court Mr. S. Sulivan
gibbosus Marsh: Sturm Fab 98 Larva & Germ: Mag. 1. pl. 1. f. 1. R. A. 7. 5, 172, pl. 7. f. 7-11. Cut. Mag. 2. 182. — Aug: Corn fields Nor. Camb. roots of grass Battersea fields
Sept. Drayton Norf. Wrightson under stones.
Sept. sandy places Isle of Wight & on corn near Hastings.
Oct. Heron Court. Feeds on Barley comes as it comes into ear.
Aphania 5 inches long came from Zabrus, in black, 8 or white. Cut. Mag 3. 176
obesus Lat. Curt. 4. 188 — e. April near Plymouth 1824. Brit: Cols: J. L.

44. Harpalus Lat. Sturm pl 77. Curt B. E. 458.

A. a. 1. x
serripes Schon: Sturm 81. B — May shores of Thames, Gravesend, Southend, Isle of Wt. & Portland. Under heaps of Twitch grass, top of sandy soil

tardus Ill? — w. Southend
May S. of Portland

stygius Wilk: Steph 142, 3 — Coast of Glamorgansh:
in May Farnham Green Mr. Matthews under stones in sandy places w. Chisel Bank in abundance

rufipennis Marsh: 141, 22. — sand & gravel pits w. London
in Jul. Dover
b. Aug: under stones w. Gorhead S. of L.

fuliginosus Duft: Steph 143, 5. — w. London & Southend

latus Linn? Marsh: — June. sand & gravel pits w. London, Southend
Rochilis.

fucipalpis Sturm 88. B — w. London

xx
nigripes Sturm 88. D — w. London

puiger Duft. 2, 104, 122. Crenat. Sturm 82. C.
neglectus Dej 4. 306? — w. London, Southend, Dorking. Swansea. Portland

anxius Duft: Steph pl 8 f 2. — Beneath rejectus Southend & Coast of Glamorgansh:

femoralis Steph. 125. 11.	nr. Swansea
coracinus Steph. but not of Sturm? maritimus Kr	Norf. Suff. & Essex coasts Lang and Pot.
flaviventris Sturm?	shores of Severn & Thames nr. Gravesend
xxx Thoracicus Leach. Steph. 125. 14. pl 8 f 3. depressus Duft. Sturm t. 80. A semiviolaceus Dej	Sept. Darent & Coombe W. under stones, Leith Hill Surrey, Brighton & Lockfield Sussex. Oxford
Mar. Thurston Dauts. Stony chalky places, Pentnor. May. Chalk pit nr. Gravesend. 30th of Portland	
2. cupreus Dej: Steph pl 8 f 4.	shores of the Thames, Steph: Coast of Essex, Mr Kupar May Tow. Sandown, at Ryde & Cowes on red clay soil
rubripes Gyll. 2, 118. Sturm t 86, a Bejamopterus K	Coombe, Darent, Hertford, Ripley, Southend nr Ipswich. Parley & Portland. Hiley nr. Innerleithen, Scot.
azureus Sturm	Coombe. Hertford. Norf.
chloropterus K. Steph 128. 19. var of last?	nr. London, in Suff. 3 May & 8 June of Portland. 17 May cast of under stones
marginellus Lieg:	nr. London, Ipswich & Swansea 13 May, 8 of Portland
fulvipes Sturm	cellars Bottisham. nr. London 13 May, 8 of Portland. Torquay. 6 Aug: 1 of Mr. under stones nr sea shore
punctiger Steph: 129, 22.	nr London Salisbury Craigs
nigro-caruleus Steph 129. 23.	com: in England & Wales
subsinuatus Duft.2 2, 80, 86.	nr. London
limbatus Duft. Sturm 85 a. flaviventris Sturm 82 b. β lunicepo Wilk: hallipes Wilk.	nr. London, Southend, Norfolk. Cambs. Jan & Feb. in wood Southgate in holes in the ground, under moss. Mr Walker 3 May under stones 1 of Portland
lentus Sturm 82. a. - Segnis Dej? 4. 365	nr. London
annulicornis K. Steph 150. 27.	nr. London & in Suff 8 June, Torbay 6th.

Melampsora Duft: Hartm 80 B.
same as the above

14 May, under flat stones nr. Pennsylvania Castle I of Portland

Puccinia Ces. Cat. B. E. 258
(C. chaetostoma (Desm.) var. Iris)

27th July, ascending Mangerton, I. C.
Aug: Barnes, P of Mean

atrocaeruleus K. Steph 150. 28.	n. London, in Cumb.?, Suff.
notatus K. Steph 151, 29.	n. London, in Suff.
obscuricornis Meg. Steph. 151. 30.	n. Dover
rufipalpis Sturm	n. London
alternatus Steph 152, 32.	banks of Thames, n. Southend, Dorking
cuniculinus Duft.	n. London
senex Crentz.	Devon?
lutricornis Duft?	Coast of Devon or Glamorgan
nitidus Sturm 83. B. confinis Dej. Cat.	Devon
horcotus Duft guidersh cyanarius Crentz: Sturm tab 83. D	Dund Devon n. Forbes C & B.
Amphodactylus 3. x cyaneus Steph	Marsh. Cab.
poecilodes Steph pl 8, f 5. virens Dej: Mus. Steph.	shores of Thames, Gravesend. Rev. Dawson: Epping. Sheerness, Power. May under rejectamenta n. Lymington
Ochthebius scaritides Sturm	shore of Thames beyond Gravesend. Not bit Dawson
xx vernalis Duft. – pricipennis Meg: Sturm t 90. A. Oxfordensis Ch.	Essex, Norf & Warw: Suff. 13 May under stones, sandy places Chesil beach I of P. in abundance 22 June Hamel. 17 May Thetford Warren: Oxford Duff
pumilus Sturm? tab 90. B.	shores of Thames May. June under stones, sandy places Chesil-bank I of Tenet not Hamel
3. aeneus F. Pz 75. 4. discolor & azureus Mars Pz 75. 3 proteus Pk.	June every where chalky places

Ochthebius

confinis K. Steph. 156, 44.	n. London, Suff.
	b. Aug. under stones n. Gt Yarm & Norf.
æneopicens K. Steph. 45.	do.
concinnus Steph 46	do. Norf
dentatus K. Steph. 47	do. Suff.
subcæruleus K. Steph 48	do.

B

calcar Duft.?	n. Norwich
pistiferus Gyll. Dej.	
Amysodactylus binotatus F. Pz. 92.3	apl. n. London, Norf. Suff. Cambr. & Kimpton
nemorivagus Sturm 93.a. var:	May. Chelsea flying in the sun shine. Moist banks: Hayes &
ruficornis Steph. var.	b. Sept. Isle of Wight.
spurcaticornis Lieg:	Norf: Devon
ruficornis Linn. F. Mart. pl 36 f 13. Ol: Pz. 30.2	apl. every where under stones
d. grisens Pz 38.1. Sturm 77.a.	b. Jul multitudes on wheat in the House in 48
subcinctus Kos. bicolor Marsh. B.	Aug. Fontainebleau, a trader at night by candles
fuscus Gyll.	
2. Ophonus Lieg: burtinii Harpalus Sturm 92, 93, 94.	
stictus Marsh mss. Steph. 159.1. pl 8 f 6	May. Hackney Marshes
obscurus F. – Sturm 92.a.	Mar: beneath Stones n. Gravesend & Dorking. Radillo.
purpuro-cæruleus Marsh.	apl. ~~Hackney marshes during~~ concealed among the yellow weed of Aug. under rejectamenta Southend
	& Aug. common under Stones in fields & under Cliff. Isle of Wight. n. Ashy Rentham Norf.
Sabulicola F. Sturm 92.b – Pz. 30.4.	June upon a bank n. Walcawith Suff. & Isle of Portland
azureus Ill: 3, t 12, f 135.	Apl. n. London, Southend, Hills. Hackney Marshes June & flood
	~~Aug. n. Gravesend, under stones, Cliff Isle of Wight~~
	Sept. Dorking. n. July, Dover. Aug under stones Brighton
	May n. Gravesend, under a stone Isle of Portland. 2d Isle of Portland
pumetatulus Duft.	July, under a stone Ripley: Culver Cliffs, rare
	Kent.
nitidulus Schr: Steph.	July n. Hertford, London, Swansea, Norwich
	June Cambr: & Walbed Dover
	& May n. Wilton Chichester gate. Culver Cliff rare.
azureus Ill: chlorophanus Pz. 73, 3.	Aug: New market heath. under stones n. St Laurence
	Sept: Isle of W. Leith Hill
	Jul. Darent W. & Hertford & Dover
	June, Harietsham

3. Fundulus Diaphanus

6 Sept. 26. Isle of Wight. N.B.

obsoletus Dej: — May under rejectamenta Tollsbury, they were all soft

angustatus Curt — on Isl. Tower on Sure I of Portland

dorsalis Fab: — Epi: 2.10.24 & 4.55.
parvulus Ste: Cab:

Rachillo & nr Paisley.

flavicollis Sturm M.C.
nigriceps Dej:

nr Lymington, S.B.D.
May Damp sandy sit. S coast I of W.

~~atratus Dej~~: exiguus Dej:
nigrinus Waterh.

May: Bury-hill slopes nr Arundel, Ste: I. of W. nr Ventnor.
Feb:
Mar: under rejct. Pegwell Bay, Dover.

nuficola Sturm fl. 94. - subcordatus Dej: — Norf: nr. London & Southend
fumetatissimus Steph — 6 June nr. under stones sides of walls in fields Slaughter

fumeticollis Park. Gyll. Sturm. 94. a. — Aug: Norf:
June nr. Hertford. Camb: Dorking. Edinb.
Jul.

foraminulosus Mark: — Calton hill Edinb.

subfumetatus Steph 163. 10. — m. Jul. under Cliffs Dover Dorking

fumeticeps Steph 163. 11. — Jul. Aug: nr. Dover, nr. Nelson on the shore
6 Aug. nr. Nelson on the shore
m. June Wareham Dorset, under stones fields Slaughter St Mary Isle of Portland

cribellum Leach. Steph 163, 12. — Aug: Dover under stones base of Cliffs S. of th.
Sept. Isle of Ws. nr. London, under stones Dorking
16 June, under stones fields Slaughter

fuscescens Pk. - Abr: 93. echinatus Marsh. — May, the large one in shade of Willows among stones Tree
29 June all the rest under stones side of river Clifton.
β. fumetulatus Marsh. — Oct under rejectamenta New England
making fuel on S. of sand hills Sandwich.
16 July coast 6 June

germanus L. - Pz: 16. 4. Curtis 4. 191. — June nr. Kings bridge. Devon Dr Leach gave me

58 Stenolophus Lieg:

vaporariorum F. Oliv: Pz: 16. 17. Gyll Steph: 92. — Feb. Mar. Gravelly banks of ponds, Wandsworth Com: &
apr. Barnsbury nr. Canal. Fakenham Norf.
Sept. Hampstead Heath, Ba Kerwa
May

skrimshiranus Steph 166. 2 — nr. Fakenham Norf. - Brit Mus:
R Aug: under a stone lying among stones, on the under cliff going to Black gang Chine.
May among dead leaves & refuse in a damp spot nr. Nelson. S. F. Darwin

placidus Gyll. 4. 252 Steph. 166. 9 f 3.
vespertinus Pk var? Pz: 37. 18. meridianus var Pk.
mixtus Dej: marginatus Leach.
Lateralis Marsh: Zoglori Pz var.
— May Banks of Ponds Copenhagen fields & Wandsworth Com:
June Barnsbury fields.
July, Whitlesea Mere, Marshes nr. Norwich on the sand
c. Sept: in a Willow bed at Chiswick. Hackney Marshes

70 Trechus Clair: Lat. Blennus Sturm 129

vaporariorum L. F. S. - meridianus Pk.
dorsalis F. Sturm 49. B. Gyll. Steph. fl 9 f 4.
— c roots of grass, gravelly side of Ponds, Wandsworth Com: & Copenhagen fields. Marshes nr. Fakenham. nr. Carlisle

parvulus Sturm? Steph
150. B.
— damp places nr. London. Rackills

flavicollis Steph ~~Dej.~~ luridus Dej.
~~nitidus~~
nitidus Pk.
— same pits Hampstead Heath. Wandsworth Com:
nr. Ripley, Surr. Norf.
Mar: out of Moss S. of Pk.

ruficollis Steph:
similis Dej: Erich.
— nr. London, at Hertford & Bodsham. Moffat hills
abund: in Moss S. Boniface Down. heathy moors Weybridge; No Wales.

vide the last cognatus Gyll. suturalis Leach Mss. Steph 168. 5. alpinus Schö	Hampstead, Wandsworth Com: Banks of Dee. Midgley Moss nr. Halifax on a Oak. nr. Swansea. under a stone in a corn field. Kaingate
brunnipes Duft. fallipes Steph 168. 6 atratus Dej.	July Corn fields nr. Hertford. Devon
fulvus Marsh. harpalinus Dej. collaris Pk. lapidosus Daws. fallidus Steph. 169. 8. pallevaro	sand pits Hampstead. gravel pits Coombe nr. Ripley. Southend, Moffat Hills. July roots of trees. Charlton nr. Manchester, E. Hobson June Oxford: end, Wilton. on dung. at under stones, Pentnor. June nr. Ripley. July
minutus F. aquaticus Marsh. tempestivus Daws.	May. damp places. every where 28 July Castle Comer 12 Aug. flying very active at sunset, Nayer.
fuscipennis Wilk Mss. Steph 170. 10.	nr. London & Norf.
tristis Pk. F. nigricepo Marsh. 261. 79.	May nr. London & Southend Burg. bushes J.C.
meridianus L. Ol. Pz. 75. 9. cuneiger F.	apt. roots of grass, gardens &c every where
cognatus Gyll. Steph alpinus Rudd suturalis Sk. Cab.	~~nr. London~~ on a Mountain nr. Llangothlin No Wales
71 Blennus Zieg. Sturm 129. acuipalpus Dej. L.	Cart. B. E. 310.
paludosus Gyll. 2. 34. 20 rubens? Fab. Daws.	June Hants Bagder. Sims Norwich. nr. Hull
Micros Herb. Pz. 40. 2. Cart. B. E. p 310 rubens Pk. ~~Gyll. &c. Sturm Pz. 79. 6~~ dorsalis ~~micros~~ but not of Fab.	Cachilles. Grampian Hills. Zetland, Orkney, Swansea nr. Carlisle banks of Irwell nr. Manchester. W. Hobson. nr. Tavistock Bridge apt. gardens Lambeth nr. London. Hackney Marshes. Windsor May. Banks of the Irwell nr. Manchester. W. Hobson Hants. Aug. rejectamenta nr. Carlisle T. C. Heysham.
unifasciatus Pz. 38. 7. discus F. Ill.	June flying Greenwich road, Norf. Suff. m. July. banks of the Irwell. E. Hobson
longicornis Sturm 151. a.	30th June under rejectamenta on the sands Broughton Lancashire J. B.
Dumicastanus Wilk. M. Chlispiger Duft. Gyll. consputus var. Duft. Sturm 129. a. Steph. pl 9 f 6	May. Battersea fields. Old Brompton. Copenhagen fields White thorn flowers gravel pit nr. Windsor. Guisbach
72 Ephaphius Leach	
Sexalis Pk. Ol 3, t 4, f 161. var. testaceus F. Brunsvi K.	b. June Coast of Norf. Shores of Humber beneath rejectam. Solway Firth. T. C. Heysham. Lancashire W. Hobson summer damp meadows of the Soar nr. Leicester, dwell floods, R. W. Bates Spring, summer & roots of tank grass & herbage in Sisinhatt. ib.

[illegible] Dayenfer

incilis Daw. Mag. N. H. v 3. 213. Mar 49. — July 47 White near S. F. Dawson.

Confoderus Dej
Commonest Pond, Island of Dor-
[illegible] Dej.

placidus Gyll — June, Weston on Gyll Green, S. E. D.

[illegible] Gyll.

placidosus Daws. Ann Mag. N. H. 3. 214 Mar 49.
5. pallidus Star 1 153. A. (Schaum says not, a var. fulvus Dej.) — Aug. under clods, base of cliff at Weston & off ft. deep among st shingle. S. E.
fulvus Dej. — July under Dover Cliff. 17th Cliff by Grove
May 1 of Portland, dead..
No of England, Hardy & Bold.

Aug: Berwick upon Tweed, in crevices, & under slaty rocks betw: tide marks, never above tide mark, & ye greater number of ye specimens were procured near low water, but not covered above 2 hours each tide. Dr. Johnston. Mr. Brown. Revd Mr. Little.

× 2b Robinii Labor. Ann. S. E. 2 m. 07 p. 23. & 08, p. 529

May 18 under stones edges of River & Bank, Woolr. Mr England, Mr Jave

maritimus Steph.

Apr. sandy places I of W. amongst sandy herbage

73 Ëpus Leach. Sam: Curtis B.E. 203 — Ent. Trans. 1. 179.
Blennus Dej.

Aug. In fissures of Rocks Sawt.
July. under stones mouths of the Rivers Tamer & Yalm
May
June at Tamerton, Bantham & Kingsbridge S. Devon
July Ballyhulish Ferry, Scotland. Berwick, Swanna

Blennus pallidus Sturm. Trichus pl. 153. a.
is a Blennus

15 Aug: several under Clods, recently fallen down, at the base of the Cliff a little beyond the Spring at Swanage
15 May Portland. Scad. At some depth among fine shingle by the shore S.
15 July Dover under the Cliff

75. Lymnaeum Steph: V2. p2.

nigropicum Marsh. Steph: pl 10. f. 1. — 12 Aug: under Stones on the shore at the base of the Cliff beyond Black Gang Chine S.B. & on the shore at Swanage in some abundance. F. Dawson on the shore at some depth among fine shingle

areolatus Creutz: t2. f. 19. - Depressum. Steph: e. June, under rejectamenta on Dudden Sands, nr. Broughton Lancash.

74 Cillenum Leach: Curtis 200.

Caperale Leach. Curtis 5, 200.
Cateaalis Sam.

May fly on Sandhoppers. Ent. Mag. 4. 251.
11 May Portobello Sands, Firth of Forth. S. of Queen's ferry.
June Near Cromer, Clay & Salthouse Norf.
July Southend Essex: under rubbish sea-shore Sequence, 300 Specimens Carlisle S.B. Nayopam. Mouth of Mersey, under stones, low water, 300 Specimens
May com: under stones, & tufts of sea weeds Port Rain sands, Dublin nr. Low water mark. It is immersed for 18 hours out of the 24.

76 Tachyp Zieg: Meg.

scutellaris Steph 2.5.1. Dej: — sandy Coast of Devon. D. Bydder; Shearness Fortress Power.

binotatus Steph 2.5.2 — near London & Southend. Rachills.

vittatus Steph. 2.5.3. — damp banks nr London
near Ponds, Copenhagen Fields.

simmanis Kg Steph 2.6.4 violaceum Steph. — Copenhagen & Battersea Fields. Cox, Milford-Haven
Bartmoor
Oct 1821. Union Stones Roman amphitheatre Dorchester
6. Sept. St Catherines, Isle of Wight.

obtusus Steph 2.6.5. Sturm? — Banks of Ponds Copenhagen fields. Netley Salop.
Rachills.
Apr: sandy places, amongst scanty herbage, Norfolk.

fusciles Dej? Ste — Banks of Ponds Copenhagen fields. Netley Salop

gracilis Steph 2.6.7. — Sand hills nr. Swansea Glamorganish.
Apr. St Church
11. Aug. 50, under stones, St Lawrence & Winia Corn fields, S.B.

minutissimus [illegible] — Coast of Glamorganish:

9 minimus Guide Ann. Nat. Hist. 5. 275. — 11 May under Dung, Stones at Chamgate S.B.
6. March, under a stone at the sea beach, Sidmouth, Devon. Mr. Marshall
24. Aug. Clifton

77 Philoctherus Steph. 2.7. - Leja Meg: Dej:

aneus Sphence Mss. Steph. 2.7.1.
Germ. Ins. Spec 1.28.26 — N. of England. Netley Salop.
9 Apr. Taffs of Carex riparia. R. Scales. + sand Yarm in abund. W. Dun

fuscipes Dej: — n. London, Swansea. Devon, Netley Salop.
c. May. Marshes Crayford, & N. Hal. mine

ambiguostriatus Meg:
apicale Leach Mss. — n. London, Netley Salop. Mountains n.
Waterford Ireland
26 May sides of water gravel pits Ireland

ligustratus Ill. Fab: Gyl. Sturm 161.6. — Sandy Lane n. Richmond.
n. Oct. Brad. Willow. Gl. Mont.

gibbula Ill. F. Gyl. riparius Oliv 3, t 14 f 162. — Ba. Hesse fields. Plaistow Marshes. Southend
Isle of Arran. Rock Mountains Ireland
6. Oct. Com: in Nov: Hunter. Gl. Mont.

hamorrhous Ky. Steph 2.9.6. — Mys. n. London. Nov: sandy places, in cut herbage. Norf.
Dec. in moss

78 Ocys Leiby. Steph: 2.9.
quinquestriatus Gyl
corvus Ky Mss. Steph: 2.10.1. — Jan: Marsley places Nov. Staff: of Ramsley. Dulwich Park
Barkesser fields: sandy places Norf.
c. Aug: 6. Sept. under stones on top of a wall Cumberland
aeneomicans Wilk: Mss
humilis Dej

melanocephalus Leach Mss. Steph: 2.10 Nov 2. — Aug: Nov. & Hunter C. Harris Heron Court. Leicester.
infuscatus Dej: — Mar: Lawrence Waltham: Netley Salop. & n. London
abund: in damp sandy places but Lucomb & Shuckle.

tempestivus Steph: nubeus Fab: Ent. 1. 120. 73. — 6. Aug: Nov. under bark of tree Bognor: not uncom: Colney Hatch
not Dej: — Salop. n. London. Devon.
Mr. Jan Tor Cross Devon.

79 Peryphus Meg: Steph: 2.11.

femoratus Steph: Gyll — Ba. Hesse fields. Plaistow Marshes. Netley
sides of Rivers, Marshes Drayton Norf, 1814.
2. March Ins.
Taking at sides of water in gravel pits Ireland

concinnus Ky. Steph. 2.12.2. femoratum Sturm 155. B — damp situations n. London Dis. Suff.
Italy near Carlisle. T. G. Heyham water side. Rochills

vacatilis Gyll: 4.406. Steph — mar. Ge. of England & n. London. Rochills
m. May Cuckfield near the sea
m. Aug: under Clods, base of Cliff Isle of Wight in abund: very young
Nov. & Hunter & Lucomb
a. Vernal Ins.

litoralis Oliv: Marsh: Pang: 46. 6. Pasfi Lale. — abt. beneath Stones, sides of Ponds, Banks &c
rufescens Fab: — Sal.
m. Aug. Lucomb Chance. under stones

lunatus Duft. Steph. pl. 10 f. 3. — Coast of Glamorganshire n. Swansea

Bruxellense Poty. Mss.	Whitburn Mere. Ind.
maritimus Rudd.	May abund. on shore. Each of S. of Th. ~~also under sea wall, Andrews, Ind. Scot.~~
neglectus Daws. Mag & Ann N. H. 3. 24. Mar 49 sarcitilis Bold	Banks of Tyne & Derwent N. of Eng.

monticulum Stir.

1 Banks of ye Annan. High grounds Renfrew

Cromcrystirus

Banks of the Annan

ustus Steph. Schön. Syn. 1. 22 f. Comatum Gyll. Spencii Mark. Mss. Stur. 155. C.	B. A. Norf. & Yorksh. Grassy banks. Mr. Spence w. Carlisle. J. E. Heyham. 29 June Aspa. vaginat under stones. Isle of Skye opposite St. Kiaranti Rock May, sea shore Dr. Sells.
decorus Pz. 73. 2. immune Mark. rufus Mus. Stur. 157. A.	damp gravel pits. Sandy Lane Richmond Surr. Shooters Hill
nitidulus Mark: depressus Pilk Mss.	gravel-pits Hinkledon Com: Combe wood banks of pond Haudgwatt Common. Netley Salop a Apr. Hens, New Forest. E. B. In profus. mund mar. wet clay slope, edge of shore wood of Lower. Wo. of England
viridi-aneus Steph. 2. 15. 9.	Carlisle Lancash. - Midgeing Moss.
agilis Spence Mss. Steph 2. 15. 10.	Nr. S. & W. of England. Nr. Wales & Scotland Sur. Grassy banks. 30 May Exeter.
minutus Leach Mss. Steph. 2. 15. 11. Mag. Nat. 156. C.	W. of England. Nr. Lowesa. Carlisle Lancash. E. Sal. under ejectamenta Broughton Sands
Leachii Spence Mss. Steph 2. 16. 12.	Loch Lomond
olivaceus Steph. Gyll? fuciphes Hg Mss.	Carlisle. Carlisle Lancash.
atro-caeruleus Steph. 2. 17. 12.	nr. Halifax, Manchester. E. Sum nr. Ambleside. Balmony Park 12th Hafton Lancashire.
80. Notaphus Meg: Steph. 2. 17.	
undulatus Steph pl. 10 f. 2. Stur. 160. D. articulatus Steph. Cat.	damp places. Old Brompton. Walham green Chiswick & Milford St Kent. Netley
astulatus Ill. Linn. Pz. 40. 7.	apt Ponds & marshes near London. and in ditches & Netley. Sum abundant in Lipton wood Norf. Wet ditches of Willows with marshes Newham Staffs:
nebulosus Steph:	Mawham's Cab:
bifasciatus Leach Mss: semifumetatus Don: H. 367. 2.	Sum Same places as N. articulatus Oct. Southend. S. C.
obliquus Stur. 161. a.	Sum. Shores of Thames & Severn. Isle of Sheppey Hailsham Marshes. 12 June Rabbit Lane Wigan. C. & B. E. Ring. Gosfield n. mud Bylands of Lake Southend.
Sictus Steph. 2. 20. 6	
fumigatus Crentz. Steph 2. 20. 7. seems to me to be a good species	Coast of Glamorganshire

chlorophyllum Marsh:		21 June under Sea-weed Aldeborough, J. Scott. 17 July rather plentiful on cracked mud nr Weybourn Norf. June under rejectamenta Isle of Sheppey, Deal. Sandown, Coast of Kent & Norf. & Hants. 17 May banks of lake, Holloway Marsden
castaneopilum Steph 2. 21. 9		Nr London.
81. Lepiota Mey.	Lepa Mey.	
procera Scop. nebulosa Kl. Mss.	articulatum Pg: 30. 2. Gyll Hum 162. a	Battersea & Copenhagen fields. William Green Sides of Drayton river Norf. flint flood Oct. wet moss Netley & Ben Lomond.
Lepiota Fab: Mont. fl 38 f 37. Pg: 20. 5.		apt damp places near London &c June Plentiful in Norf: sides of Ponds
L. maculata L. sub globoso Pk. fuliginellus Pg: 38. 8.		damp. marshy situations Battersea &c Not common in Norf: Oct under bark of drooping Willows Essex 21 Aug. Sandy Hill Bath
fuliginella Marsh: 54. 57.		Marsham's Cat:
assimilis Gyll. Fl 10. f 5. Steph 2. 26. 12.		June Isle of Sheppey & Southend. Norf: Rackells May Wentham
fusilla Gyll: - Kirbii Steph: Cat. Normannus Dej: I Dun.		Norf: not London. Under bark of willows Maidenhead May not mean not Ryde.
nigra Wilk Mss: Steph 2. 26. 7. Mannheimii Schff. gibbipes Sturm fl 159. D.		marshy places nr London & Morriet Maidenhead. Mar in fr. Sw. under rejectamenta Pegwell Bay, Dun:
fuliginea Marsh Mss: St Grapii Gyll. tenellum Erich	I. Dun.	May & June Battersea fields &c Bray Ind & Greenwich Marsh Ambleside. Wentham & Southend under stones Gravesend. Oct & Kensington Gardens 17 July on cracks mud Weybourn Norf.
mirinna Fab? St nana? St fusillum Gyll.	I. Dun.	nr London. Southend. Liverpool. Falmouth Rabillo
Doria Sch: Pang: 38. 9. - aquatica Pg: 38. 10. minutus B. terminata Dej: assimilis St.		Battersea fields. Under bark Maidenhead
Sporeii Kg Steph. 2. 25. 11.		Battersea fields. Steph.

Schoepfelii Dej: June 29. banks of river Arthing Canad: J. D. Bold.

Clarkii Daws. Ann. M. N. H. 3. 215. Mar 49. May 28, 3 w. Dorchester, J. F. D.

Tachyphus Meg:

✓ camphor. Herb celer Fab: — 31 Aug: Dammersmith ♂ ♀ dampish sandy places every where
Oct: in decayed Willows in abund.

✓ properans Duft. rufipes Marsh: — ♂ with the last.
Oct: in decayed Willows

acutus Marsh. immature var of last — near London

✓ chalceus Steph: 2. 47. 4 — n. London

orichalcius Steph. Ill. Pz. 38. 11. (nigrum var. Sturm) — n. London & Swansea

✓ bipunctatus L. Fab. 305. Ills. 3. 144. Pz. 163. a Marsh — 2 June damp & sandy places Darent wood
Apl. banks of ponds Wandsworth com: Netley. Carlisle.
28 Feb Castle Comel. N. Backills Dalmeny Park & banks of the Cams Scot.

✓ chlorophanus Sturm: 163. C. Leachii Brit. Mus: — 2 June. under rejectamenta Brompton sand. Lancash.
Coast of Cumberland

✓ striatus Duft: Sturm 163. B — banks of rivers n. Carlisle. J. C. Heysham
Canon-mills Edinbro'. Midgeley Moor n. Halifax.
side of a brook Charlton n. Manchester. M. Hobson
30 May Exeter canal.
2. Apl. Conchillie Beach & Aldborough Suff: under stones & sea weeds
1809. shores of the Ex. Devon. W. Dublin.
m. Aug: on shore n. Flach gans Shiem. Southport sand hills M. Hobson
Coast of Argyleshire. M. Little. Firth of Forth; shores of Loch Leven.

✓ Andrea F. Steph. pl. 10 f. 6. Eyl. halidipennis Ill:

83 Bembidium Lat: Sturm 152.

✓ paludosum Pz: 20. 4. Litorale Ol: 2 Q. 34. p. 6 pl. 1. f. 7. — 20th June at the banks of Derwent n. Gibside, on damp patches of sand. J. J. Bell.
Swansea. Gorport. W. Berkeley Castle Gloucester
m. Mar: banks of Irwell n. Trafford, Lancash. E. Hobson & M. Hobson
may Carlisle. J. C. Heysham. Berkwick Castle. A. Murray Esq.
14 June on the banks of the Nidd, Knaresboro, they were very active & flew when pursued
Little. Chiswick. J. C.

impressum Ill. F. Sic. striata Marsh: Pk. velox L. Pz. 20. 8 — Marsham's Cab. Standish.

✓ Clavipes L. Ol. Pz: 23. 2. — Spring swamp near Crauk, Renfrew, J. Scott.
April Banks of Derwent
May Banks sides of ponds. Gravel pit Kensington Gardens
June Roots of grass moist places. N. Banks of Irthing, Cumberland, J. J. B.
Aug:

✓ fallipes Duft. Sturm pl. 154. Cromereus Ill. May. Cliffs Cromer Norf. where the springs come from
Aldbro' Suff. Swansea.
Banks of Irwell n. Dumpies. M. Little.
15th June at banks of Irthing on boggy places, sparingly, cov. with grass, early, 12th July.

85 Notiophilus Dum: Bon: Elaphrus Lat: - Waterhouse Eut. Mag: 1, 202. Curt. B.E. 254.

aquaticus L. Dow. 10, pl 351 f2. Pz: 20.3. — a Sil sand & gravel pits, gardens, pathways, margins of
752. semipunctatus Marsh: F. — aug: banks of ponds
m. apr. moss tufts of trees Notts

bigutattus F. Marsh: — Fab. E.S.I. 180. — June sand pits, borders of ponds, gardens
semipunctatus Illig. p. 183 A — running about in the sun. Inverness, rare.

nitipes Hayr.
castanipes Curtis Br. Eut. 254. — n: Carlisle T. & Heysham

4-punctatus Dej: 2. 289. 3. — n: Carlisle.

86 Elaphrus Fab: Curtis B.E. 179.

uliginosus F. Curtis 4. pl 179. — June, wet paths Coombe wood. Devon. Swansea
18 Sept. at the root of a willow Chelsea. n: Carlisle.
9 June in a little moist pit Wareham harbour

cupreus Meg: riparius Oliv? 2, 41, 11. — apr. Battersea & Copenhagen fields. Hampstead
to aug. Whitlesea mere. Ambleside, edges of water
banks of Lakes, Scott.

riparius L: Don: 9. pl 301. Pz: 20.1. — near Copenhagen & Battersea fields. Coombe wood.
to July banks of Thames near Putney. Norf. Devon &c
edges of Ponds. moist banks. wet open spaces in Woods

86 Bembidium Bon: Pz: Nebria Lat. Nelobium Leach. Curt. B.E. 326.

multipunctata L. Ill. Pz: 11.5. — apr. in spring at Lepsia.
n. May, Copenhagen & Battersea fields. Borders of
into Aug. Whitlesea mere. Horning & Hickling Norf.
under wet bunches of reeds Coventhe Suff.
it runs over the dry mud in under stones Lake Fad
June Plaistow Lea, Devon. Roots & stems of Iris

87 Haliplus Lat: Curt. B.E. 730.

elevatus Pz: 11.9. — May running brooks Letheringsett Norf.
running streams at Bexley, Kent.
Bridlington, Lincolnshire W.W.

Cremidotus Ill. impressus F. Ol. Pz: 11.7. flavicollis Marsh.
cosus Duft. — nufiscollis — 8. nufipes Pz. — apr. Ponds & ditches Battersea fields
Jul. Putney & Wandsworth Commons
Norf.

mucronatus Leach. Steph. fil 11, 21.
ophthalmicus Kyb. Mg. — n: Swansea
Suff. Rothisham

ferrugineus Pk. Pk. β fulvus F. interpunctatus Mar: Curt. B.E. 730. Curt. Trans 1. 176. pl 15. f2. + f4. — apr. ditches & ponds Wandsworth Com:
aug: Norf: Camb: Lake Fad

obliquus Ill: F. Gyll. Pz: 11. 6. — near London. Norf: Camb.

confinis Kyb. Steph. 2. 41. 6 — amoenus Ol. 3. f5. f50 — apr. Wandsworth com: Copenhagen fields
aug. Norf: Suff.

lineato-collis Marsh: Oliv. 7. 3. mutinus Gyll.
bistriatus Duft. — apr. Wandsworth com: Copenhagen fields. Norf: Suff. Camb:
aug: Whitlesea Mere
Sept. Ponds Paddington

geminatus Dej. — June, Deal, Dawson

splendidus Esch: Dej: Icon: pl — 20 June on Ca'Hill at 2 & 3000 feet, also on Clova mountains, turned up in grass Miss Lyell: Also in the Nantes Pyrenees.

Lapponicus Gyll: Dej: Icon: pl — 20th June on Ca'Hill with the last Miss Lyell. St Kilda, Mr Gillies.

130 Pelophila Dej:- Blethisa borealis. Pk. var Arctica Scho. Dejeanii Gyll. — Cat. pl. 302.

June 14. 1829. caught on the sandy shore of Loughmeagh by Robt Templeton Esq, communicated by A. H. Halliday Esq. at Shaws Castle Park 6 Aug. 26. secd. near an iron bridge across the river Bann & Bann it at twilight A.H.H. Main land of Orkney in numbers, Lyme.

parallelus Bab. Trans. Ent. Soc. Ih 178 pl. 15 f 5 — Cambridge

fulvus F. — Billington, Hook.

subcanidus Spe. Bab. E. T. 15 f 6. subnubilus Bab. id 1. 177. pl 15 f 3.	Common every where

bisulcatus Curt. Ann. Nat. Hist. 5. 276.	Cambridge Fens, J. L. Brown

Stephensii Rudd	Norfolk G. T. Rudd

marginatus Pz: 14.10. — Pond of Botanic garden Camb: nr. London

rufipalpis Delf. minutus Don: 2. 68, 182. — apt. Ponds & ditches nr. London. Nat Camb:

affinis Steph: 2. 22. 10. — nr. London. Swaffham Pan Norf.

melanocephalus Steph: 2. 23. 11 — Marshland Cab:

brevis Kby Steph. 2. 23. 12 — nr. London & Staff.

88 Paloborus Schön 2. 27. Hydrobia Lat. Hydrachna Fab.

Hermanni Fb. Don. 4. 501. 27. Fab: Lam 3. 12. 6. apt. Ponds Copenhagen fields. Wandsworth Common
Sadus Steph: — aug. Hampstead Heath. Nat. Camb: Epping forest J. C.

89 Hyphidrus Ill.

ovatus L. Ol. Marsh. gibba F. Pz: 91. 5.
ovalis F. q. lemnaeum Lam. Don. 2. 68. f. 34. } Ponds & ditches every where

variegatus Ill. — Essex

90 Hygrotus Steph: 2. 26. Cat. B. 4. 501.

fluviatilis Leach. Steph pl. 11 f. 2. — apt. river Lawdor nr. Carlisle. Tavy, Devon. Netley Salop. nr. Mendip Hills Somerset, Aldbar Bridge, Aldbar Park, Wiles;

assimilis Pk. Gyl: 1. 522. 6. — river Plym nr. Plymouth. Netley & Aldbro. Yorksh:

decoratus Gyl. (cuspidatus Kunze not British) Cat. 501. — Brit. Mus: Netley shallow puddles on marshes top the Isle of July. Ashdown Bog, nr. Tadcaster, G. A. Wright

confluens F. Ol. Pz: 14. 5. — July Wandsworth Com: Copenhagen fields
Mr. Weaver Mem. Norf: stagnant water Swansea
apt. 29. in Oct. Gravel pits Gt. West. J. C. D.

collaris Pz: 26. 4.
recurvus Marsh.
affinis Ill: car: — Ditches & Ponds Wandsworth Com: Copenhagen fields
S. Wales, Devon. Pools & ditches Swansea
31 May Pailey Heath. J. C. D.
11 Jul. Woolmer Pond

affinis Steph. — found with last

reticulatus F. Pz: 26. L. recurvus Marsh. — Jul. nr. London. S. Wales. Devon
2 Oct. Parley Heath & Paddington S.C.D.

inaequalis F. Ol. 3. 3. 29. trifidus L. B. — e Jun. Surf. fields Bothisham. Swaffham fens
2 July S. Eng. Ireland. Ditches Norf. Randolph. Jun.
Sept. Oct. Portland & Nolwell Somerset S.C.D. Swansea.

scutulus Spence: Steph. 2. 29. 9. pl 11. f 3. lepidus Dej: not of Schö. — Wandsworth Com: Copenhagen fields
Ireland. Devon. nr. Carlisle & Hants.
12 July Parley Heath & New Forest S.C.D. not uncom. in a shady canal, Swansea

fuscus F. flexuosus Marsh. arcuatus Pz: 26. L. — Gray ditches & streams nr. London. Wandsworth Com:
Eng: Copenhagen fields. S. Wales. Norf: Northampton
2 Oct. Ponds nr. Paddington & S. End. Parley Heath S.C.D. stagnant waters, Swansea
Wally found Newtonia Sofl.

91 Hydroporus Clairv: Lat. — Hydrichydrus Ill. Mag: 1. 299. & 2. 211. Schö. Gyll. Curt. B. E. 323

frater Spence Steph. pl 11 f 4. lepidus Col. halensis F. areolatus Dej.

areolatus Duft. halensis F. Ahr. 9. 5 — ditches Swinsleto Norf. Suff. Norfolk
Whitlena Mere nr. Halifax. Rachills
9 Aug: Lock Fac.

~~[illegible]~~ streams Bothisham. Netley & Tradesley Salop. N. of Eng.

depressus F. elegans Marsh. Pz: 26. 5 — Jul. Brooks nr. Oxford. streams Bothisham. Norf:
July. Avon Salisbury. Riverhead Kent J. H. Davis
9 Aug Lock Fac

12-punctatus F. (Ph. bustulatus F.) Dej. 2. 296. Ol. Sam. 3. 152 — Clear brooks Norf. Devon. Carlisle. Netley
nr. Halifax. Rachills & Water of Leith

convolutus Kunze? — nr. London

nigro-lineatus Schö. Gyll. 2. pl 6. f. 2. & q-lineatus Rud. 2. 23 pl. 42 a small var — 1825 e July in a lake nr. Alt: Keane's Cottage, Isle of Bute
1834 9 Aug Lock Fac both sexes
11 July 42 not uncom. in Woburn pond Bucks Dr. Hallbane

lineatus Marsh. ~~Limnebius Gyll.~~ parallelogrammus Ahr 2, 2. 11. 1 — June Wandsworth Com: nr. Norwich. Sporwich. Netley
Apr. Southend

F. bicipes Kunze. F. Pz: 26. 33 punctatus Marsh. ovalis Thomb: — Mar: nr. London. Norf. Devon Swansea, Southend. Netley
Apr. in a small drain Plaistow marshes, Mr. Cooper
Apr. com: Rainault Fac.

alternans Kunze. limnebius Gyl. 1. 529. L. — Ullswater Lake; Brit: Mus:

dorsalis F. Ol. Pz: 26. 2. nufipennis F. — June Kensington Gardens. Wandsworth Com:. Norf.
nr. London. Ely. Copenhagen fields
Sept: Rainault Fac. com:

griseo-striatus Deg. Gyll. 1. 523. 7.

G. lineatus Rudd. St. 1, 192 — a deep flooded Gravel pit, Mayfield. G. T. Rudd.

✓ Carus Fab: St. E. 343. 12. — 2 in the pond at Glanville's Wootton
ovatus Sturm. — Sp. Marton Lodge Norfolk. L. Rudd. Esq.
Spring in a mill stream, Holden Br. Sp. Gibson, rare

G. fabricius Deg. St. 1. 193 — Netley Salop. F. W. Hope

Davisii Curt. Br. Bat. 8, 343. — Spring in a Mill stream at Hebden Bridge, Gibson

Cambriensis Dav. Curt. B. B. fol. 343. 16.

ferruginens Rudd. Ste 1, 193 — w. Colling Bourne - wood
Spring in a stream at Kimpton. G. T. Rudd.

oblongus Power — 2 March 15th 2 Ditches Hanning Rev. J. L. Brown & Gravel pits? w. Cambridge, Power

bifasciatus Walk: Ann & Mag. N. H. Jan 1847 v. 18, pl 9, f 3. — Mr. Clear, near Lee w. Cork.

obscurus Stur. — Woking, J. Power

alpinus ~~Pk.~~ Steph pl 11 f. 5. ~~Gyll.~~ not of Pk. vide ahr. 9.7. rivalis. Jenne ~~Gyll 2. 38 t.~~	Brooks Netley. Devon. Nr of Eng.: Hong ditches, Leicester abundantly in Mill stream, Nelden Bk. Carlisle
borealis Steph is ? y same I believe, but a little longer	
sex-pustulatus F. palustris L. Ill. liturratus Marsh. Pg 12.6.	O Com: every where
proximus Wilkin. Steph 2. 55. 13	Nr. Norwich. Arran. Nr. Spitchwick Devon. Swansea. Millard
tristis Pk: Gyl:	Kensington Gardens
umbrosus Gyl:	Sept. Nr London, Dunault forest.
rufipes Duft:	Sept. Wandsworth Com: Netley. Dunault forest. Holyhead, Dublin, A.H. Davis. Balmenny, Nr. Little
marginatus Kunzé Lappanum Gyl.	Nr. London. Ulswater lake. Rochille.
depilamatus Gyl:	ditch junction of Surrey & Croydon Canals
Scalesianus Steph 2. 57. 19	Prof: Scales.
unistriatus Ill. Müll Ol? Pz 199. 2. parvulus Pk:	Apr. Kensington Gardens. Devon. in Ponds
geminus F. trifidus Pz: 26. 2. pygmaeus Ol. parvulus Pk.	June Ponds Wimbledon Com: Combe nr. Norf: a steam mill pool Aug. Dunault forest.
minimus Scop? Ill:	Nr. London. Southend. Devon. Hants. 10 July Parley heath, weeping rushy grass, swampy places.
granularis L: Ol. 3. t 2. f 13.	Oct: ponds rivulets nr London. River Cam, Cambr: Netley. Wandsworth Common. Dunault forest. Woking Com
ovalis Marsh: stagnicola	Jul: Ponds & ditches Battersea fields. Kensington gardens in May Turf pits Bottisham & Swaffham. Norf: Carlisle.
nigrita F. Pk. Gy.	Oct & stagnant water nr. G. Worton Oct: com: Dunault forest. Oct & stagnant waters nr London. Norf: ditches nov: Netley. Dunault forest. Feb. Shen. nr Shillinglee, Sussex. D'Power
trivialis Spence. Steph 2. 59. 26.	Nr. London. Southend. Yorksh: Oct: Isle of Wight. 11 Jul. Woolmer Pond

minutus Steph. 2. 59. 27. — n^r London. Southend. Netley Bought of Stephens.

planus Marsh. F. — Apl. Marsham's Cab. Ponds & Ditches Norf.

melanocephalus Marsh. Gyl. — Jun. Ponds & rivulets n^r London. Norf. Cambr.
pubescens Gyl. — Oct.

erythrocephalus L. F. S. F. — com: n^r London. Norf.
in May in a Pond n^r G. Woodon

flavipes F. rufipes Pl. 34. f. 39. — Jun. stagnant waters n^r London. Wandsworth Com:
fusculus Ill. planus Pk. humeralis Marsh: — Jul. Norf: Netley. Southend. Combe wood in abund.

ater Forst?

holosericeus Marsh. 27. 39. — Wandsworth com: Norf: Ditches n^r Ely.
at

pubescens Gyl. 1. — Wandsworth com: Norf:
Oct. Ponds Pond

fuscatus Kby Steph. 2. 62. 35 — n^r London. Norf: Barham. Rackheath.
planus Gyll.

piceus Kby. Steph. 2. 62. 36 — n^r London. Norwich. Barham.
planus Gyll.
Plum at Backhite n^r Cambr. Mr Brown

43 Noterus Clairw. Lat: Cuv. R. E. 236.

crassicornis F. Pl. 24. f. 34 Marsh: 420. 20. Gyl. — Apl. Battersea fields. Wandsworth Com Epping forest.
clavicornis Delg. capricornis Herb: Geerii Leach — Norf. Suff. Cambr: Whittlesea Mere. Ponds & Ditches
Fy. 101. 58.

sparsus Marsh. Steph. Pl 11 f. 6. Cuv. 236 — .0 Wandsworth com: Epping forest. Norf:
crassicornis Lat. — n^r Kimpton. stagnant water. marshes n^r sea
1st July Pond Newton's off.

42 Laccophilus Leach.

× minutus Lf Mart. pl 33 f. 13 — e May Ponds & Ditches n^r London. Wandsworth Com:
interruptus Fy: 26. 5. marmoreus Oliv. — Copenhagen fields. Norf: Cambr: Carlisle.

× ~~interruptus~~ obscurus Fy: 26. 3. hyalinus Delg. Marsh: — e May Ditches Norf: n^r London. Bordisham.
Oct. Ponds Pond

Jugularis Pall. — 6. May 8 f. Mr. Browne of Warwick in a little pond nr. Cambridge

angustatus Stur. Pris. tristis Lacep. Aulé — Cowley nr. Uxbridge, D. Power

Flavipes Fab. — 28 Apr. 42 in a sheep pond S. of Wilton under a stone

nectus Bale: Ann: of Nat. Hist. 6.53.

Arctic Pk. Ste

Mr Mac: Ritchie Fanning, Esq: L.L.D.

Inve Dollar & I of Mull, Lyne

95 Colymbetes Clairv: Cant B. 9. 207.

oblongus Ill: Gyl.
aequalis F.

June w. London Southend. Norf. Suff. Rochester
Whittlesea Mere. Mettey. Cambr:
5. Mar. Ditches, Banning, Rev. J. L. B.
Oct. Nov. Rainault Forest.

guttatus Pk. fuscus Marsh: fenestratus Pz. 99. June Running Stream Ashburton Devon. w. London
May under stone puddles Glanville's Wootton

Sanctualis Leach. Steph. 2. 66. 3.
vittiger Steph. non Gyl.

July Darnmoor. Shoreham Sussex. Ponds

Grapii Gyl. 1 505. 3. abs. 6. L. niger Daj:

May Marshes Drayton & Horning Norf: J. C
March 17th Banning Ditches Rev. J. L. B.
Whittlesea mere

fuliginosus F. uliginosus Mart. fl 32. fl. 2. 6.
lacustris F. Pz. 38. 14.

e May clear ditches & streams every where. Ponds
m Jul. Lod. Fab
Dec

cicur? F. laevigatus Wilk: consobrinus Cant.
elongatus Leach. glaber Forst? 5. 207.

Sutton w. Wanstead House? Essex. In Lodge Coll.

striatus L. Mart fl 34. f 27? Marsh:
fuscus F.

o Com. every where in ponds & Ditches

fuscus L Pz. 86. 5 ♂. striatus F.

e. Jul. Whittlesea mere
Sept. Ponds. Paddington
May June, Rainault Forest.

fulverosus Knoch. Steph fl. 12. f 2.
conspersus Gyl: Gyllenhalii Steph MS.

Copenhagen fields. Clapham com:
Sept Ponds, Paddington

notatus F. Ol. 3. t 5. f 47. f. frontalis Marsh:
virgulatus Ill.
Ravioli Esch.

Apl. Wandsworth com:
May Whittlesea mere. Norf.

exsoletus Forst. collaris Pk:
adspersus Ill. Pz. 38. 18.

May Norf: Whittlesea Mere. n. London. Carlisle. Mettey
m Jul. Bradgy ponds, Leicester

agilis F. Pk. Pz 90. 2 ♂.
bistriatus Berg. the

may Streams Norf: Camb: Whittlesea mere. Eaton
aug: Kensington Gardens. Beach Cowhithe.

adspersus F. Steph. fl 12 f 3. collaris var. May 19. Jul. Norf. Whittlesea Mere. Clenge Gloucestersh.

nebulosus Forst: bipunctatus F. Don: 9. 303
Pz: 91. 6.

e May n. London com: Norf. Whittlesea Mere. Dorset
Ponds Camb.

subnebulosus Hope. Steph. 2. 72. 15

Aldeburgh Suff.
aug: Thorn Gravesend. n. Musselburgh, Dorset
m. Sept. under stones. when the salt water had dried up New England. J. C.

conspersus Marsh: Steph. fl 12 f 4

May n. London. Southend. Norf.

Sturmii Gyl. 1. 493. 26.	m. Jul. Grimsdale Woodhay. Whittlesea Mere Cambr: Norf: Oct Hainault forest
congener Pk: Gyl. 1. 509.	? Norf? Suff? the Grampians, R. Nidd.
phaladosus F. frolitus Marsh. congener Ill. striolatus Ste	apl. July. Streams n. London & Epping Sept. Lettheringset Norf: Stony ditches, Leicester
maculatus L: Ol. - s. inaequalis Marsh. Pg: 12. 8. Don: 12. 501. 1.	May River Ware Norf: under stones Devon, Dorset, Cambr:
abbreviatus F. Ol. Pg: 14. 1. undulatus Neub?	May Whittlesea Mere. Norf Salop. Hainault forest April m Jul ditches n. Gapley.
vitreus Pk. didymus Ol. 3, t 4, f. 37.	June Wandsworth common & Epping forest e Aug: running brooks Lettheringsett, Norf: Mar. Ditch Forncett Reg. J. L. B. July Hainault forest. Stony ditches, Leicester.
chalconotus Ill. Pg. 38. 17. concinnus Marsh. cyaneus Ste aterrimus Ste	Spring. Ponds & Ditches Combe & Norf. Rackills Sept. June
montanus Leach. Steph. 2. 76. 22.	Dartmoor. Ditches Wetley
nigro-aeneus Marsh	Spring Ponds Epping forest Wimbledon Common Scotland July Askam-in-furn. G. A. Wright
femoralis Pk. Gyl. assimilis Ste.	Kewington Gardens. Southend. Pulley heath
striolatus Gyl.	n. London? b. June 1824 New Forest. J. C. Don. Beach at Covehithe
affinis Pk: Gyl. 1. 503. gallicus Ill. branchiatus Rob. Ste	Norf: Wetley. Rackills 2 Mar: Horning Ditches Reg. J. L. B.
uliginosus L: Gyl: marsh	n. Windsor, in Brit. Mus: 6 Mar Horning Ditches Reg. J. L. B. & Wingn. Cambr:
bipunctus Fab. ferrugineus Steph. 2. 79. 30	Spring S. Devon Brit. Mus: New Forest Dr. Power May Dartmoor June n. Caernarvon
aterrimus Steph: 2. 79. 31.	n. London.

despar Bold, Zool. J. XXIV

May, Boldon Flats, Durham, in peat & delicer. T. J. Bold.
Sent

Sulloerous — Forfarshire, Mr Little

Articus Pk. — Mull, Mr Lyne

bifunstulatus L. Ol. t 3, f 26 Marsh: — b. Apl. Ponds every where
carbonarius F. — β acuductus Marsh. — m. Jul.
Snowdonensis Nob — Sept. Ponds Paddington & Essex
confinis Gyll: — Oct.
— n. London

angustior Gyll: 1. 500, 32. — ○ n. London. Stony ditches, Bradgate park, Leicester. in numbers under stones in half dry water courses. H. W. Bates Woking, Dr. Power

vittiger Gyll. — Devon

guttiger Gyll. 1, 499, 31. — Pools Netley. Ponds Bewdley forest Worcester
irroratus Ste — c Julio. Askam leg. G. A. Wright

✓ fenestratus F. Ol. aneus Pz. 38. 16. — June Croydon Canal. Parley Copse. Norwich River
Vaucault forest.

✓ ater Dej: Pz. 38. 15. Fab: fenestratus Pk. — n. London. Norf: Dorset. Kent.
4-notatus Ste

✓ obscurus Marsh: 4-guttatus Dej: Laxod. — May n. London, Norf: Camb: Kent.
Ill. 5 — Battersea fields

4-notatus Steph 2. 83. 40. — spring. Devon

Agabus Leach

serricornis Pk. Abr. 5. 3. — Netley, Salop.

Hydaticus Leach. Curtis B. E. 95

✓ transversalis F. Pz. 86. 6. S. Ol. t 3, f 22. — a. f. Pond, Battersea fields
m. Jul. Cyx & leg fens in ditches. Askam leg. G. A. Wright

✓ Hybneri F. Ol. t 4, f 33. parapleurus Marsh — June? Whittlesea Mere. Ponds n. Ealing:
m. Jul. Epping. Bydda.

stagnalis F. Steph. pl 12 f 5. Pz. 91. 7. g. — Ponds n. Exeter, Netley
June? Devon, Wilts.

cinereus L. Curtis 2 pl 95. 8. Pz. 31. 11. g — b. June Whittlesea Mere
c July

97 Dytiscus Geof: Curtis B.E. 99. Ill. Dytiscus Linn:

conformis? Kunze — Devon. nr Ipswich, Whitlesea Mere

circumcinctus Aborens Steph fl 12 f 6 — June Ditches Gravley fens
(flavo-ventellatus Lat?) — July Lawrence Waltham
exercitans Ste Zool. Dom. 2. 530.

angustatus Steph: — June Ditches Gravley fens
L.D. dubius Gyll? — c. July Ponds near Bottisham

circumflexus Ill: 7. — Ponds nr. London in abund.

marginalis L. Don: 5. 161. Fn: 86, 3 & 4. — o Every where Ponds in Prof: They fly about at night
Fam. 3. 13. omni-striatus L. — Esped kept alive 3½ years. Food raw dead frog. Pet. Mag. 2. 128.
Fn. E.S. 3. 203. fl 11 f 2. ank a nonhority. — Larva fed on gut left (Tritoni aquaticus). It lived 18 an hour in alcohol 60° above
submarginatus Steph: var of last. — nr. London

punctulatus Ill. Don: 15. 520. Fn: — June Ditches & Ponds Battersea fields. Camb:
Fn: 110, 13 & 14. — 2 f. Norf: very common in Hainault forest.
punctatus Ol. Brie — F. Holme fed them on raw beef, earthworms, small frogs
The larvae are still more ravenous & will devour Horseleeches, fry or fishes
dimidiatus Berg: Curtis 3, fl 99 — June Gravley fens.
Gyll. 1. 269. 6. — c. July Camb: Salop.

98 Cybister Curtis B.E. Frogus Leach: Trochalus Ill.

Roeselii F. Curtis 4, fl 151. — 30 Sept: 1826, nr. Walton Essex. J. Dane Esq:
Ent. Syst. 1. a. 385. — R. 1826 & in a Pond at Shuttleworth Ale: C. Parons
Vespar Rosi — Ang out of an Oyster basket, Billy road.

99 Acilius Leach. Curtis B.E. 63. — Selbon 2. 12.

sulcatus L. & Don: 2, fl 68 f 5. — o Ponds nr. London. Norf:
Fn: 81, 9 & 10. - cinereus Marsh: — 15 Sept: flying in the day, Norm Conq.

Scoticus Curtis's Mss: — Larva voided by a Boy. 23 Feb. 1 & 2 f (94) Procured P.
var B Gyll? — Miss Lyell

fasciatus Gyll. Nicol: canaliculatus Knoch. caliginosus Curtis 2. 63. — July. Stilton & Gravley Fens.
dispar Zieg: - sulcipennis Steph: — 18 July fem: only J. C. D.
15. flies

Aphysia the young state of Limnoclaris is parasitic on this species. Zool. Jour: 1. 128 pl. 4 f 2-7.
found on Tadpoles of the frog. F. W. L. Ross.
mus of Prof. Edmonston jun: Zool. 702.

Heterocerus "maritimus"
is characterized by
Kiesenwetter as H. arenosus.

Trickel

100 Gyrinus Linn: Curtis B.E. 79. Stewart 36

aneus Leach. Steph: 2.95.1.	apl. Surry Canal. Devon. nr. Bottisham. May. Dudlingotron Loch. Pools & Ditches. Isle of Bute. Ch. Pools nr. London
marinus Gyll: 1. 123. L. Abr: 2.7.	May nr. Carlisle, nr. Saltcoats Devon. Bottisham. c. Apl. Lochend, Scotland. In a well in the Earl of Malmesbury's Kitchen Garden. and to prefer salt marshes
minutus F. Steph. pl 13 f1. bicolor Oliv: Hilii Marsh: H. f8. a. b.	apl. nr. Bristol. Swansea. Ashburton Devon. Hatley May. Morning Post: In a pool in Norwich Moor. not abund: Ben Lakes.
Natator L. Linn: pl. 2. f2. Fg: 2.3. Abr. 2.5. Ol. E1. f1. a. c	apl. Pools & stagnant waters almost every where Sept.
subtriatus Steph: 2.97.5.	June. Ponds Glanvilles Wootton. Gorley Saw. Camb. July. Wilts, Devon nr. London
lineatus Hoff. Steph: pl 13, f 2.	13. June. Slapton Leg nr. Dartmouth. C. & B.
bicolor F. Gyll. Abr 2.9. Curtis 2.79. elongatus Marsh:	May Salt marshes & lakes Devon. June nr. Southend. Pembury Wrasteyh. Norf. Suff. nr Sal. in Brooks by the Humber Lincolnsh.
Orectochilus villosus Ill. Fab: Modeeri Marsh.	May on ye Dart in rivulets nr Dartmouth. Hardy moors at Lochmaben 13th June Slapton Leg. In a boat on a broad Norf. J. Crowe. In the Jed, near Jedburgh. In a shell at Belfast. Zool. May. 2. 5. 1844. 356 2 May 5 supra under back of dead willow, side of Derwent nr. Whitwell, Yorksh. R. Wg. Sydenham, D. Power
Heterocerus Bosc. Curtis B.E. 224.	
marginatus Bosc: Panz: 23. 12. Senostratus Humb. Sam: 3. 11.	30 June 27. Sands at Broughton Lancashire profusion Tatnency Park in marshy ground. Apl. & close of July Weybourn Norf.
flexuosus Steph.	Banks of Thames beyond Gravesend
Marshami Steph.	g. Banks of the Humber
lævigatus Fab: Panz: 23. 13	Spring marshes nr. Norwich. Wandsworth common. c. Oct. side of puddle nr. Kilburn.
obsoletus Curtis pl 224	6 May. Salt marshes nr. Southwold. June. nr. Rochester, Isle of Sheppey. Shores of Thames & Medway July nr. Mersey Island, J. C.
× maritimus [sabulosus Hal: arenosus Kies: A.H.N.H.]	Sandy shores nr. Dublin; Hal:
puellus Hope, Ste 5, 395. minutus Dej?	May, Aberystwith. June Southend. Hope

101 Parnus Fab: Curtis B.E. 80. Sturm D.F. v 22. pl. 400

prolifericornis F. Pz: 13.1. senicens Leach.
Sam. pl 3, f 10.
montanus Curtis

Feb: roots of grass, brinks of Ponds & ditches, Norf. Sep apr Battersea fields. Wandsworth Com: nr Epping & elsewh May
m 3d: of White under a stone
Wiley sides of Wodney pond.
Norfolk?

impressus Curtis 2. 80.

bicolor Curtis fol. 80, n 3.

Norfolk?

auriculatus Ill: Oliv f 3, pl 1, f. 1. Pz: 38. 23
Sturm D.F. pl 400. b.

Wandsworth Common.
amongst rejectamenta Drayton Norf:
m June under stones, side of Red skrew, Anderside
11 May under a plank in Bentley Mead Bradf. Wilts.

103 Georgosus Lat: Gyl. 3, 676. Steph 2. 105. Pimelia F. Pk. - Prox Pz:

fungmanus F. Lat: Gyl. Steph. pl 13. f 3.
dubius Pz: 62. 5. - arenifernus Sp.
Sturm D.F. v. 22. pl. 398.

e July. Holt Norf. Haworth. on Dd: Melton on the Naze: on the wet surface, sand passes of Clay, amongst Fucilago fecaria & Physidium hirsutum. Mc Christy. Cat. 2. 438.
Damp places nr London
apr in mud Southend. Mr Waterhouse.

104 Elmis Lat. Steph. 2. 105. - Linnius Müll - Ill Mag: 5. 184. - Schan 2. 117. - Gyl. - Chyomela Mag. Ill:
Cant BE. 294.

Volckmari Pang: 7. 2. Cat 294.
impressoides Marsh:

May Roots of grass banks of rivers. 11th under stones in Brook Broadclyst Wilts
June in a Mill-stream nr Hatfield.
aug: under stones in Rivers nr Bristol Miller
in a brook nr Hebden bridge. Mr Hobson
Sept: Norf. nr Hull. Clungre Gloucestersh

tuberculatus Müll. Ill. 5. 199. Gyl.
lineatus Lat. Sturm D.F. v 22. pl. 401 f. 5

variabilis Leach. Steph pl 13. f 2.

Hilly districts. nr Carlisle & Spitchwick
nettles Salix.

lacustris Sp. Steph 2. 107. 4.
stagnalis Lat.

Cossey Outlet at the Mill.

aquatilis Steph 2. 107. 5.
Proglossus Gyl.

Norf.

parallelipipedus Müll. Ill. 5. 200. Steph pl 13 f 5.

nr Exeter?
Manchester in a brook nr Hebden bridge Mr Hobson

aeneus Müll. Megerlei Ill. Mangetii Lat:

Aug: Leaves of Menyanthidis trifoliatus nr Abbots Thames nr Croydn & Surry Canal
June Hatfield.
arm. Rev. G. T. Rudd

Mangetii Steph 2. 108. 8. q obscurus Müll

nr Norwich. Clungoe Gloucest:
nr Hebden Bridge in a brook Mr Hobson
11 May ab: under lime stones in brook Broadclyst Wilts

cupreus Müll. Ill Steph. pl 13. f 6

Cossey Outlet under stones
June, in a stream nr Hatfield.

Pomatinus Burm. Stur
substriatus Müll
Dumerilii Lat.
longipes Wilk.

Dryops Lat. Erich
Sturm D. F. v 22. 64 fl. 403. mud, banks of Wandle at Garratgreen. Mr Waterhouse
Yorksh.

griseus Ill.
minutus Ol. 3 No. 38 pl. 1 f 6.
affinis Mann. 404. 26.

nr. Leidar & Heatford in Surrey, Devon & Norf.

187a Eniscerus Ste. (B. E. 291 Cust.) Cat. Mag. 1. 256, Wales

1 viridi-aureus Ste pl. 15 f 6.

Cop. Hebden Bridge
opt. Wansbeck nr. Tynemouth & Newcastle, in coarse stones, near the surfacing of the water in running streams.

2 tristis Gib Cust B. E.

Hebden Bridge & Wansbeck

3 Gibsoni, Smith Cust pl. 291.

e Pub. Ackam Bog, G. A. Wright
Talnaing Park, in a marsh by the shore
Hebden bridge & Wansbeck.

105 Hydrochus Germ: Leach. Steph 2. 110. Curt B. E. 359.

elongatus F. Pz: 26.7. cicindeloides Mac: Curt 359. — Apl. Banks of Ponds & aquatic Plants, Battersea May Wandsworth common. Shitchweek. Netley. Norf. Suff. Colchester. Hodingham

crenatus F. Oliv. 3. n: 38 pl. 1 f 4. — Apl. muddy banks of Ponds, sides of Ditches, Norf. May. Wandsworth com: Banks of Orwell nr Ipswich Braid hill marsh Scott.

brevis Herb: Gyl: 1. 152. 8 crenatus Sch: — May. Norf. nr. Bristol. Netley. Whittlesea Mere June July. Braid hill Marshes abund.

106 Helophorus Leach. Steph 2. 111. Elophorus Fab. Lat. Gyl. Curt. B. E. 466

aquaticus L. Ol. Pz. 26. 6. grandis Ill. stagnalis Marsh 400. 23. — O Stagnant Ponds & ditches everywhere

granularis L. aquaticus F. minutus Dej: flavipes Ol. 3, t 1, f 3. var: — Stagnant waters every where 2 May Holwell Gravel pits. 22 June flyd in cont? on roads Cyl. West in abund. 11 July Woolwich fend

dorsalis Marsh 410. 25. Steph pl 12 f 1. var of grisea? — nr London, Hertford. Surry. Devon. Norf.

viridicollis Kl. Mos. Steph. 2. 112. — Suff nr. London

tuberculatus Gyl. 1. 129. 2. — Spring nr. Southend, Nr Rose

fumicus Pk: Gyl: cinereus Marsh: Curt pl. 466. — July June Damp banks & hedges between fields. Norfolk. Ealing, Dover, Little hill. Sand hills Ipswich nr Ant. on the Kent Mand Mitcham.

nubilus Oliv: 3, t 1, f 2. Gyl: Steph. Mars. minutum F. — apt. banks & damp sandy places. Copenhagen fields Glanville's Wood nr Sunn. Ponds Norf. 8 June marshes nr Inkwood

107 Ochthebius Leach. Hydraena Lat. Curt. B. E. 250.

marinus Pk: Gyl: 1. 13. 10. marginipallens Lat. ~~Curt 251~~ — May, banks of the Thames Southend 18 Pond on muddy flats running amongst Glaux maritima, Mitcham Eaton Calmers park, in a marsh by the shore.

dilatatus Leach: Steph. 2. 114. 2. — nr London. Norf. Devon. Swansea. Southend. Parry Heath.

fossulatus F. Gyl: Ahr: 8. 7. riparia Ill. impressus — May nr. London. Bottisham. Ponds Norf. Devon nr. Apl. marshes, heath, Cowlitter.

impressus Marsh: riparius Ill. — May nr. London. Southend. Ponds & Ditches apt.

bicolor Kirby. Gem: p 92.	n: London. Norf. Suff. Scotland
rufimarginatus Steph: 2. 116. 6.	n: London. Netley
nanus Steph 2. 116. 6	Southand. New Forest. Byfleet
aratus Steph 2. 116. 6	n: London. Glamorgansh.
punctatus Steph: Cl. M. p 2. came in any hibernicus	n: Bristol. Glamorgansh. Netley

138. Hydræna Kug: Cat B. E. 307.

2 riparia Kug: Longipalpus Marsh. Ann. 8. 6 minimus Gyl. Magellani Leach.	May Pond Hampstead Heath. Glanwilli: Worton mar: Parley Heath. n: Halifax. River Wandle, Wandsworth
6. pusilla. Steph. fol M. p 3. [nigrita Germ? p 93.	n: London. n: Halifax. n: Carlisle. Devon n of River Hebden Mr Gibson
11 minutissima? Gyll: 1. 136. 12. Steph. 2. 118	n: London. Newcastle.
12. rufipes Mol: very small. black, legs reddish B.E. fulvipes Ste.	S. Bray. Woodside, Cheshire, in a rivulet under stones Mr Halliday

139. Limnebius, Leach.

ater Steph: fol: M. p 2.	n: London. Norf. Glanville Worton. &c
atrinis Steph:	n: London. Rachills
truncatellus Fab: parvulus Germ:	Ph: Pond n: London. Norf. Suff. Dublin
marginalis Steph:	n: London. Devon.
nigricans Marsh:	n: London. Glan: Wort. 26 May Holwest Gravel pits
lutosus Marsh:	In the Lunan n: Moffat.

hibernicus Curtis pl. 250.

c. Mar: on rushes on the shore of the Bay of Belfast when the tide had retired!
b. Apl: on wet off rushes on beach at Cavehill

Amphibolus Wart: Ent. Mag. 1. 292
1 atricapillus Wart.

Hebden bridge,

7 ~~Hobson Curt~~ elongatus Curt. B. E. fol 307.

Mr. Hobson
bed of river Hebden nr. Halifax Mr Gibson

✓ 8 testaceus Mole: B. E. 307.

Mr. B. Walker nr. Southgate. Battersea fields. Epping. early in the spring in a pond at G. Wootton I. of. D: Halifax.

9 hulchella Germ Ins Spec 1. 94. 161.
Curt. B. E. fol 308.

May, Mr G. Wootton on Isle of Portland, I. of.

10 nigropicea Wart. Ent. Mag. 1. 294

Epping. Hebden br.

13. fuscipes Wart. E. M. 1. 296.

Hebden br.

— 3 gracilis Mul.

4 melanocephala Wart. E. M. 1. 294

Mellay, Salop.

5 concolor Wart. Ent. Mag. 1. 293.

Hebden br.

Lateralis Fab: — taken by Booth on Coldedge nr. Halifax, Revd. Mr. Rede
it turned out to be a foreign swimmer

apicalis Rudd: — Lymington, in Deserted Salt pans. Revd. G. A. Rudd
Salinarius Rudd. ~~[illegible]~~

mollis Marsh: — Ponds nr. London

fuscus Marsh L. 207. 17. — Kensham Cab.

nitidus Marsh — ?

.11 Hydroporus Linn: Curtis B. E. 239. Tani of 3 species in Ann. S. E. 1854 p. 69, pl 3, PB pl. 1-3

fuscus Linn. Curtis 5. 239. rufipennis Dej. 2. tab. 12. — June. round London. Cambs. Hunts. Dorset. Kent. underneath in ponds Brickfields Paddington

.12 Hydrophilus Dej. Curt. B. E. 159.

caraboides L. Curtis 2. 159. F. Pz. 5. 10 — Feb. Ponds & ditches round London. Cambs. Hunts
nigricornis Dej. — July. Epping
Carabaoides L. — m. Aug. near Chant & Islington

.110 Sperchens Fab: Lat. Cyl. Curt B. E. 394.

emarginatus F. Pz. 91. 2. — candidus Marsh: — March. Stagnant water Windsor nr. York
verrucosus Marsh var: — Kensington Gardens
a. Jul. Ditches Oxley. Isle. Hunts. Chant
Roots of aquatic plants & Astacus leg. G. A. Wright

.111 Berosus Leach, Germ? Curtis B. E. 240. — 6 May Egyde a. bdy of g. Ann. S. E. 2 S. 8. XXXIV

luridus L. Oliv. No 39, pl 1, f. a, b. — Feb. round London. Essex. Norf. Suff. Cambs. Devon. Nov.

oriceps Steph. Curtis 5. pl. 240 g — Feb. round London. Norf. Essex. Cambs. Devon
luridus Ol. No 39. pl. 1. f 3. c. f — Nov.

globosus Curtis 5. 240. Steph. pl 12 f 5. — Jan. Whitlesea Mere. Bodrisham. Jul.

.13 Hydrobius Leach. Curtis B. E. 243

fuscipes F. striatus Marsh. Ms. — e. June Whitlesea mere. Southend nr Gravesend Lake of Killarney. Wisbeach.
April nr. Southchurch in ditches

fuscipes L. Marsh — aquaticus L. Carabaoides F. Pz. 67. 12. — o Everywhere

chalconotus Sam: Leach. Curtis 5. 243. — Apl. nr. Lynn. Kensington Gardens. Devon. Cambs: Wisbeach
e. Aug. Gravesend & Southend. ponds of brackish water

subrotundus Steph. 2. 128. — nr. London.

melanocephalus F. Ol. 3. t 2 f 12.	apl. Battersea fields. Nov. stagnant waters & May
torquatus Mash. griseus Gyll.	Spring. u. Norfolk & Kipling
testaceus F.	Spring w. London
ochropterus Mash.	w. London Lin Nov.
lutorius Mash.	Spring. round London
lividus Fabr. Mash griseus Ill	apl. Ponds Battersea fields Ditches Begun Aug. stagnant waters in marshes near sea
marginellus F.	apl. Ponds Chelsea fields & ditches in May & w. Wroxham
marginatus Mash. affinis Pk.	w. London
atricapillus Mash. t 11 f 12 f 6 bicolor Pk.	Spring. Chelsea fields. Wandsworth Com. m. Jul. Whitlesea Mere
orbicularis F. Ol. Pg. 67. 13	apl. Lewington Gardens. Wandsworth Com. Ponds Nov. m. Jul. Whitlesea mere.
minutus Lin bipunctatus F. Ol. Pg. 67. 12 Mus:	apl. every where Ponds Nov. & Aug. May & w. Wroxham
striatulus F.	round London
Colon Steph:	New Forest. Hants w. London
bipustulatus Mash. t 06. 13.	Spring round London July
minutus Mash. t 06 12.	apl. round London Ponds & Ditches Nov. Aug.
ochraceus Steph	w. London & New Forest

lutescens Steph sordens Steph Cat. — w London & Barham

foveolatus Nav: Eul. Fr. p 86. — apt. Ponds w. London
Jan

✓ aureus Nov. Gem 96. 163. — New Forest
April mountainous rivulet, Holyhead.

✓ globulus Pk.
minutus Cl. 3. 1-2 p 13. — in May Ponds Hampstead Heath. Maidsworth Com:
in Dorset, I of Wight

✓ seminulum Pk: Gyll. — apt. w. London & in Marsh. Ponds & Ditches

15 Cercyon Leach Steph 2. 136. — vide Mulsant's Palpi. de France — Murray in Ann & Mag. N.H. 2d. v 12 p. 73.
Erich. Mark Br. 1. 216 - Gyll. 1. 100.

{ ratisome Kirby Steph. — w London, banks of the Orwell w. Ipswich

{ littorale Gyll: Hyd. obscurus F. — in Sept. under sea weeds Sandown Bay Isle of Wight
Clay Marsh. Under Zostera marina river Orwell

{ binotatum Steph — do

{ dilatatum Steph — do.

depressum Steph
is a good species. A. H. A. — w Brockenhurst New Forest. Southend
July 55. Bray heath, coast of Irel. under Fucus specially laminaria. A. H. A.

aquaticum KY Steph 2. 138 — In water w. London Suff.

flavipes F. Pk. var Gyll 1, 183, var.
E.2. 1. 81, 19 — w. London. Suff. Marsh.

terminatum Marsh. Steph
analis Pk. flavipes Pk. C. marginellus Pk.
aquaticum Dej. (Pz: 103, 1.) — June. Horse dung w London
Radcliffe

aestivum KY Steph 2. 139 — in Agarics & Boleti Suff. w. London

Calthea Scop: — April flowers of Caltha palustris
2d May w. Wilton in dung
13 July 52. Sunbury

Boletophagum Marsh: 1. 72. 23. — w. London in horse dung & Boleti
22d Oct. out on rotten Beet root on mushroom, Hayes.
✓ 2 on of the

immune K.J. Steph. 2. 120.	w. London. Norf. Suff.
lavigatum K.J. St. 2. 120	w. London. Hertford Norf. Suff.
apicale Steph. 2. 120.	w. London
obsoletum Gyll. lugubre Marsh: Ohio. 2. t 2 f 12. a.b. atomarium Pk.	Mar. Hampstead Heath, Bottisham, Hertford. Ripley. Jul. Under dung of Cows.
fuscum Marsh. haemorhoidale F. Pz. 61. 1.	May w. London. Camb. Norf. Suff. Horse dung. June Aug.
flavipes Muls. Pz: 103. 2 fuscum Marsh.: haemorhoidale Pz: 61. 1. var?	w. London Kin Suff.
simile Marsh.	w. London
suturale Steph	w. London. Norf.
laterale Marsh. 1. 69. 23.	May w. London. Camb.
haemorhoidale F. E. f. 1. 81, 18: Ohio 2 No. 13. 9 f 12 f 3	w. London. Suff.
femorale K.J.	w. London. Suff. 22 May 62. Holmest
haemorhoum Gyll.	Apr. w. London &c. under gallows rubbish Kell.
xanthorhoum Leach	?
xanthocephalum F.	w. London Norf. Suff.
infuscatum Steph	w. London
impressum Sturm, 2. Jl. 22. A	w. London. Hants.

flavipes F. Ste. Muls.
haemorrhoidale Stur. melanocephalum Gyl
haemorrhoum Ste infuscatum Ste
cuturale Ste; femorale Steij fissicum Ste
deprossum Ste, laevigatum K. apicale Ste lateralis Mars
melanocephalum L. Ste. Muls.

minutum F. Ste. Muls.
tristis Ill not Gyl.
laevigatum Ste. convexior Mars.
convexius Ste. convexiusculum Ste
lugubre Pk. Eric.

anale Pk. Eric. flavipes Thunb.
terminatum Mars. marginellum Pk. var
apicale Ste. infuscatum Ste.
Phelosoma Muls.
Laferte Muls. Not yet found in Britain
bicolor Dej.
Megasternum Muls.
Boletophagum Eric. Muls. Ste
immune Ste. acutum Ste. stercorarium Mars.
immaculatum Ste. Cave Mars. contaminatum Pk.
ferruginum Mars. cornicinum Mars?
fuscescens Ste? testaceum Ste? immundum Ste?
Phalacrus fulchellus Ste + P. geminus Ste
Cryptophagus Muls.
atomarium F. Ste.
crenatum Pz. St. minutum Pk. not Ste.
mendarium Ste. sordidum Mars. var.

Cyclonotum Gyl. Erik. — Hydrophilus F. Mars. Ste.

orbiculare F. Eric. Ste — under debris, margins of lakes & ponds
Mabroix Cashen. β

Sphaeridium F.

Scarabaeoides L. F. — Cowdung.
6-maculatum Schr. Annalum F. γ

bipustulatum F.
6-maculatum Curt B.B. Reading Ste
scarabaeoides Thom δ; marginatum Ill. ε
Zetterstedt Ste var.

Cercyon Leach

obsoletum Gyll. Ste. Mulsa
lugubre Ol. Mars.
atomarum Pk. not Ste

hemorrhoidalis F. Ste. Mulsa.
picum Mars. Ste. β; impressum Stu. Ste
vivide Mars. picinum Mars. minute Ste
hemorrhoum Gyl. ~~Ste~~ Muls.
xanthorrhoum Ste

laterale Ste. Muls.
Cavard Hanger

unipunctatum L. F.
Dispar Pk γ
quisquilium Ste γ
quisquilium L. Ste δ.
unipunctatum F. Ill. Stu δ.
dispar Pk. δ.
flavum Ste. scutellare Ste
centromaculatum Stur. Eric. Muls.
fuscipennis Gyl. not Ill. Ste. Muls. ex Mars.
6-maculatum Ste; ustulatum Ste
inustum Mars. nubilipenne Ste.
fuscipennis Ill. Ste. Muls. restaceum F.
stercorator Ste; ferrugineum Herb.
conspurcatum Stur. Ste; merdarium Stur.
scutellare Ste? fuscipennis Eric?
littorale Gyl. Ste. Muls. cryptopum F.
rufipenne Ste.
bimotatum Ste. dilatatum Ste
aquaticum Ste. Muls.

Com. on sea shores under marine rejectamenta

melanocephalum L. Herb. 37, 10, K.	Apl. Meadows & Pastures w. London in Horse dung June
✓ conspurcatum Stum. 2 f. 22. 3.	w. Lyndhurst. Kingston Rev. T. G. Rudd 18 May E. C. Wood
✓ atomarium F. minutum Pk. crematum Pg 23. 3.	w. London Kingston Rev. Rudd.
sordidum Marr.	26 May Dulwich 29 June Ryde
commixtum Kg. Hefr. 2. 125.	w. London
commixtoides Mark. Mss. Hefr. 2. 126 mendicum Mark.	w. London Radicles
commixiusculum Mark Mss. Hf. 2. 126.	w. London
nigrinum Mark Hefr. 2. 126. Cabinet.	
immaculatum Kg Mss. Hf. 2. 127 a Bolbitoplagum	w. London. Suff.
stercorator Kg Mss. Hf. 2. 127.	w. London. Suff.
mordarium Stum. 2, f. 22, F a atomarium Fries	w. London
(fugnoum Ill. fulchellum Marsh.	w. London. Norf.
erythrosperm Kg Mss.	w. London Norf & Suff
37 lugubre F. Pk. tristis Ill. E.S.1, 81, 15. Oek. 2 No 15, 7, f. 2 f. 2.	w. London. Norf. & Suff. 2 April Downham
minutum F. Ill. flavipes Pk.	w. London
obscurum Marsh.	
contaminatum Kg Mss. Hf. 2. 129.	w. London Norf. Suf.

coniinum Marsh.	v: London Norf. Suff.
ferrugineum Marsh.	v: London
stercorarium Marsh. Sc. bolbitophagum	v: London. Norf. Suff. Devon
luscescens Steph. 2. 150	v: London
immundum Fries 2, 22, C.B.	
nigriceps Marsh.	
africapillum Marsh.	
africeps K & Mp. St. 2. 151.	Suff.
Lævo Marsh. 1. 73. 37.	in a Boletus, Elm tree Putney m. Aug: Venturi.
rufipecunus K & Mp. St. 2. 152.	Suf. Norf.
inostum Marsh.	v: London. S: Great Norf.
conjugatulum Fries 2. St. 22. E. Smith. notulatum K & Mp.	Suff. Cranwich.
bimaculatum Steph 2. 152.	v: London Chimney on the Line
quisquilium L. ♂ of unipunctatum ♀ Fab. ~~Pz. 3. t.~~ dispar Pk. ♂	Spring In warm dung & flying in the sun at noon
flavum Marsh. var	May v: London
o scutellare Steph. 2. 153. var	v: London.
unicolorum L. dispar Pk. ♂ quisquilium Steph.	Pz. 3. 1. Fab. 37. a

102. Alepia Ne.

1 fulgens Nees

2 velutina Ne.
elongata Nees

3 carnosiuscula Ne.

116 Sphæridium Fab: Steph. 2. 152. Oliv. — Curt. B. E. 518

scarabæoides L? Don. 7. 231, L. Pz: 6. 2. — March In dung of Cows
Sam: 3. 12. - Hister testudinarius Deg. — May
3 July obt. running out & into holes in peste Bowdung

bipustulatum F. Oliv. 1. 15, t. 2. f. 11. — June do.

quadrimaculatum Marsh. 56. 15. Curt. f. 518 fade. — July Hampstead Heath. Copenhagen fields

limulatum Kyll. Steph. 2. 155.

lunatum F? — June Cow dung.

marginatum F. Oliv. 1. 15 f. 3 — July do.

Dalleni Marsh Steph. 2. 156 — Spring. Cucumber beds Spring.

162 Tritoma Fab. Gyll. Curt. B. E. 498.

bipustulatum Fab: Gyll. Sam. 2. 9 humeralis Marsh. — 17 Apl. out in Boletus versicolor on falling Cornus
May Found & Darent W. in Boleti. auricularia Tabacino
June a puffball in new forest full of them. 1. 6.
White Roots of grass Richmond Park.
Mar.

62 Phalacrus Payk: Gyll. 3. 427.

maritimus Steph. fl. 15 f. 1. Sonaphus corcolor Sturm — June base of cliffs bet. Dover & St. Margarets' Bay.

æneus Pk. F. Pz: 103. 3. Sturm — Spring. Hedges n. London
Winter beneath moss, Radnitz.
Aug. F. Cowes

ovatus Marsh. 76. 28. — June n. London in dung. Aug. grass St. Cowes
F. Sept. Isle of Wight, Radnitz & Ramoni.
22 Sept 18 bid on fruit receptacle of Anthemis cotula

cognatus Steph. 2. 160 — n. London

corticalis Ill. — Autumn n. London
Aug. flowers Mar.
3 Sept.
Winter under bark of Pico Rivelstone-wood
Sam. com. n. Senecio, Cowbitthe

conspicua Pk. Cyll. sometimes B. Marsh	6 June flowers of Ranunculi &c nr London 29th Sept. Aug & Sept. Dung: 6 Oct. on Antirrhinum linaria top of cliff, Margate, Sec. 8 July Bicker
fuciflora St. 2. 161.	
substriata Cyll.	nr London, Norf. Suff. Oct. Hum Coch
nigrinus St. 2. 162	nr London: New Forest.
Carneis Sturm 31. D.	Aug: On Carex acutus & Devon &c nr London riparia
Millefolii Pk? Cyll. Sturm 31. D. immaculata Wilk.	Aug: flowers of Achillea Millefolium sandy places Suff.
Achilleae Marsh Mss. St. 2. 162.	June flowers of Achillea Millefolium Suff.
aneofuscus Cy Mss. St. 2. 163.	nr London, Norf. Suff.
bicolor Pk. Cyll.	May flowers nr London June Leontodon Taraxacum
affinis Sturm 31. A	nr London
Leachiellus St. 2. 163.	nr London Bristol
fluviatilis Sturm 31. B	nr London. Bristol
Stephensii Leach Mss. St. 2. 164	nr London. Hertford
rufiflos Steph 2. 164	nr London. Bristol
gemmus Sturm Bergon bad? Magnus St. Bolanum St. 2. 164	Aug. nr London Norf. Devon flowers grass under Fir trees, Sc. Edinburgh, R. H. Greville
convolvi Marsh, 5. ii	Aug. beneath bark of trees & on flowers flowers Norf. 6 June, Wrentham 11 July & Cockfield swamps & ditches

76. castaneus Lect. Ann Nat. Hist. 5. 276.

Eptic: palustris Holl: Ann: N. H. N° 122 Jan 1847 v. 18. p. 453, pl. 9 f. 2 — Marshes at Lamb:

vittata Curt: Guide. Ann. Nat: Hist 5. 276. — Norf.

latifrons Curt Ann. N. H. 5. 276 — Norf.

picens Knoch. St. 2. 165.	n. London Devon	
Ulicis K. & M. St. 2. 166	Ulex Europaeus Norf. Suff.	
fungiaus Sturm 32. C.	n. London	
globosus Sturm? 32. A.	n. London	
pseudorhizus Marsh. 78. 56	n. London, Norf. Suff.	
pulchellus Marsh. Ste. is Cercyon boletophagum, Fish. Murray	Radcliffe	
nitens Marsh.	Norf. Suff.	
65 Ephistemus St 2. 167.	Epistemus Stur. 3. 7. 18. 79. Erich.	Psychidium Mill Phalacrus Sturm
Gyrinoides Marsh 77. 52. globulus Pk. Gyl. 1. 181. Stur. 18. 86 pl. 344. C	n. London. Glamorgansh. Sunc, Harrietsham, Kent.	
nigricavis St. 2. 168	n. London. New Forest.	
confinis St. pl. 15. f. 2. dimidiatus Sturm 2. 85 pl 32 D & 18, 83 pl. 343. A.	Putney. W. Bristol	
67 Leiodes Lat: Curtis 6. 251. – Anisotoma F. found in summer by sweeping grass, but more abt. on wall tops in Autumn R. H. Greville.		
punctata Sturm 25. A.	n. London. Radcliffe, Cramond	
aciculata Kunze spinipes (anisotoma) Gyll. nisa Curt var.	South Creak Norf. Radcliffe Cramond Sunc, Harrietsham, Kent.	
dentipes Gyll?	n. Coombe W. grass under fir trees n. Dublin. R. H. Greville	
brunnea Gyll.	beneath bark of an old oak Dawert W. grass under fir trees n. Dublin.	
badia Sturm 26. E. ignitenebris Pk.	n. Coombe. W. Cramond grass under fir trees n. Dublin.	

fallens Sturm 24. B.	Hedge Darent W. 28 Aug: Hants, Hern Court.
multistriata Gyll.	w. Hertford Plant n: Leominster. grass under firtrees w: Buckingh.
punctatissima St. fl 15 f. 3.	Nov: in a pond Kimpton Hants. grass under firtrees, Bhill, rare.
castanea Ill. Pk. Sturm 25. C.	on Fungi in a Fir plantation Rachills w: Sidbury: grass under firtrees. Greville
punctulata Gyll.	w. Hertford Feb 8 Nov & Thurs in sand hills Plant. Mr Paget
Marshamii St. 2. 173 Der. castaneus Mdrob	w. London, Suff.
thoracica St. 2. 174	w: Coombe. W. Rachills, most abund: & grass under firtrees w: Edmb.
frolita Marsh. 124. 26.	June w: London. sandy places Norf. Rachills & grass under firtrees.
niguclavis St. 2. 174	w. London
maxillosa Kg. St. 2. 175	w: London. Suff.
testacea St. 2. 175	Norf. w: Swansea Rachills
Sturmii Steph 2. 175. brunneum Sturm 26. D	w: London grass under firtrees. w: Edmb.
ferruginea F. Ill. armatum Pk.	June w: Cheltenham. Norf. Devon Rachills & Cramond. grass under firtrees
resipennis Pk.	Hedge Coombe, Darent grass under firtrees w: Edmb.
cinnamomea Pz: 12. f. 5. Curtis 6. pl. 251. Tuber Ile. Lycoperdella	6 Sept 31 abund in Truffles at Burnford, Wilts. Oct In Truffles, Audley End & Suff. To Dec.
nuda Ile: Pz. 37. 8.	June sandy places July

19b arenaria Kuc.	
19c litura Ste	Rachelle & Cramond
19d naturalis Ste	Cramond, gravesandei fuitrace, Ewin.
19e nigricollis Ste.	Cramond

amata Sturm t 24 A.		Norf:
[illegible] Fr		
hemerasia F. Fg. 23.1.		Lime fungi Parent no: Corsey park Norf. this a sort of Puff-ball on stumps of trees New Forest in a dend. Met with them under bark, Dangl. grass under Fir trees, nr Edinburg & under bark of decay'd fir stumps, Stirling. R.M.G. April, Jermyn forest. J. Norman. Rannoch. Fosgroft 54.
sedominalis Fr. glabrum Ill.	Gyl. Sturm Deu F. 2. f.	f. 123
nigrifecunis F. Gyl. Fg.		
168 Agathidium Ill		
nigricolle Man: 68.19.		Lime sawing places. Parent-wood
formicarium Fr		Cucumber beds, Epping.
atrum Pk		grand field Norf. Autumn wall tops nr Edinburg: R.M.G. Greville
nodum Pk		
laevigatum L		April
obscurum Nees:		Mr: Lawce in Bichia cinnabarina Ball: under bark of dead Pine stump. Perusia in cartt. Perris Autumn wall tops nr Edinburg, R.M.G.
marginatum Fr:		
minutum Fr 2. f 27, f a		Autumn, wall tops nr Edinburg, R.M.G.
spinosum Man:		
carbonarium Fr:		
atratum Fr:		

[illegible] Lin: 2. 88 fe		
[illegible] Lam:		June sandy places, Harrietsham, Kent.
169 [illegible] Fw:		
[illegible]		8 June St Cove sand pit. Cassumbe beds, Essenig.
Dem: [illegible] Mac: 77.		
[illegible]		June, Harrietsham, v: Maidstone J. B. S.
[illegible]		June inside of windows victor Rutilis
170 [illegible]	Cowlophus Lea.	Cossyphus Cyl. 2. 576. & v. 2. 576.
[illegible] Mac: 77. 53.		on Carex Oakbrook Rev. J. Hey. Not abundant J. Hooker
171 [illegible]		
[illegible]		7th June v: Leominster, Mucman E. M. 1. 51. Cassumbe beds, Essenig
[illegible]		c. Apr. Downham, J. C.
[illegible]		
[illegible]		
[illegible]		
Periscelis [illegible] 2. 187		
[illegible]		Oct: under felled trees Netley near R. R. Hunt
166 [illegible] Lin:		
[illegible]		June sandy places Blackpool Leyden Marsh Lab.

perpuvillus

e ipsis Cowlam

117 Prothophanes Lat. B. E. 52.

erratus L. F. Pz. 28.11	Apr: in cow dung, Norf: June Kingham 31 May I of Portland 31 July 52 Shakespeare Cliff.
mutticornis L. Lat: Don. 8. 255. 3. Pz. 4.17 sp. 8. Phanæus Fab. Sinicus Lat.	Apr: in dung: July
Dillwynii Leu	Apr: Surrey May in dung in sand by Thames bank in abund.
carnifex ? Pz. 28. 6	May under dung of asses in country, Essex July
mutticornis ? Siphacus Mac:	Apr. under dung July
Mendicus F. Pz. 37. 4. Hunm. of Ent.	May, Hampstead heath, under Cow dung in Vale of Health & Cf Portland July in Dung Battersea
Fimus L. F. Don: 10. 261. Pz. 28. 4 Hunm. of. e. h.	Norf & Suffolk. Meadows Battersea & Epping forest
mutans L. Don: 2. 250. 1. Pz. 6. 1. [illegible]	Apr: common in Dung, Hainault forest.
Taurus Linn: B. E. 52. 2. Pz. 18. 8	1st Oct. 24 side of New Park Brockenhurst
118 Ontophagus Latr: B. E. 41.	Nov. 23.
Taurus L. F. Don: 5. 132. 1. 2. Pz. 49. 4 & 5. emarginatus F. g. 4-dentatus Oly.	Apr. in hollow in front of the Observatory Greenwich, under Cow dung & in the morning, event the Cf. Both common: sandy situations Charlton in Lanes Bexley Kent. Bungay Suff common The cases in which the larva live are made by the beetles. New Forest June & Pinton or Dung.
119 Aphodius Ill. Fab: 1. E. 27.	
Fossor L. Don: 12. 417. 3. Pz. 28. 5? Hunm. 1. 112 f. a.	Apr. very com. in horse & cow dung. June m. Jul.
nitidulus L. Pz. 28. 3.	Apr. com. in horse dung, Norf. June
hæmorrhoidalis L Pz. 28. 8. sanguinolentus Hunt. Mac:	Apr. Norf. in horse dung. June Aug.
erraticus L Pz. 47. 4.	Apr. com in Cow dung Norf. May
fimetarius L. Don. 12. 404. 1. Pz. 31. 2.	Apr. very com. in Norf. alighting near horse dung. May
subalpinus Hardy lapponum Gyl?	m. Oct. in dung.

[illegible] Pz. 31.1.	taken near Leeds; in Mr Atheris's Cab.t
rubidus Oliv.	
[illegible]	April
[illegible] varies to an uniform pricey black	July horse dung
[illegible]	
meridanus Pz. 48.3.	
[illegible] Pz. 47.1.	June & in Oct. Southend.
[illegible] Don. 12. 404.4.	April Marf. in Dung.
congregatus F. Ol. Don. 2.70.2? Pz. 47.2.	in Oct. in Dung
[illegible] Pz. 48.1.	April
y scrutator Mars.?	
[illegible] Don. 12.404.2.3. Pz. 48.2.	Apl. in Cow dung Earlham Marf. May
[illegible] Pk: Ent: Trans. p. 80.	Apl. in Cow dung in Lambeth
nitidulus F. Pz. 91.2.	Aug.
[illegible]	in June Aphis and Dung in wood Lowestoft
[illegible] F.	Apl. Newmarket heath
[illegible] Pz. 67.4.	e. Jul. Fulham.
vespertinus Pz. 67.3. Pz. 67.4. var.e Limicola Pz. 58.6.	
[illegible] Pz. 28.7.	April horse dung Marf.
[illegible] Don. 12. 417.1.	June
centrolineatus Pz. 58.1.	
nubilus Pz. 58.3. varies Walk.	m. Oct in Dung every where
[illegible] Pk.	b. Dec. Pk. 1 in South down nr Brighton, Mr Walton
tab. 1 f. 4.	
contaminatus Pz. 47.7.	Apl. Dung, old Ford, Mr Back.
[illegible] Pz. 58.2.	June, Horse Dung Marf.
memoralis Pz. 67.1.	
prodromus F.	
[illegible] Marsh. Pz. 47.5?	Spring. Dungheills.
[illegible] F. Pz. 47.3?	April & all summer in Cow dung Marf.
alec. [illegible] Pz. 43.1.	
[illegible]	
[illegible]	
[illegible]	
[illegible] F. 73.1. Ill. Ent. Trans. p. 80	Apr. Yorksh. nr. Sheffield.
[illegible] Pz. 37.1.	

Panaeolus Fr.		
fimicolus Fries	Pz. 44. 11.	
granarius J. Pz. 43. 3.		
conopus Pz? 58. 7.		
Lacrymaria Pz: 58. 8.		Apl. dung Norf.
~~conopus Pz? 58. 7.~~		June
arenarius Gyll. Brent.		
Psathyrella		Apl. corn in sheep dung Norf.
carbonarius Fries: f. 14 f. C. Oli.		May Rattlesea fields
		June
		m. Oct in Dung
Tubaria Gray:		Apl. Mousehold heath & Suff:
pistacina Fr.		Sept.
inversa Bull. B.		m. Oct. fly f at top of Cliff to North of Ramsgate in the sunshine
Inocybe Fr. Doc 12. 47. 2.	Pz. 47. 10.	Apl. corn in Dung
Mongnii Mt. Berk.		July
Inocybe Fr.	Pz. 47. 9.	m. May in Dung I of Portland
lacera Fries. Oli.		
Inocybe Fr. Pk. Don. 9. 323.		Apl. Norf: in a field Cavelthe in horse & cow dung.
microcarpus Mass:		June
variegatus		
varius Bull. 47. 6. 8.		
Hebeloma Fr. Berk. Hum. Tab. 7. f. 1.	Pz. 39. 1.	April on marshes at Horning & Drayton I. of Wight.
		& root of a tree Richmond park Feb.
Psilocybe Fr.	Pz. 58. 5. Don. 12. 47. 2.	m. May & whole of summer in horse dung, common Norf.
conspicua Sow.		
Stropharia Fr.		Oct. at Southend with ciliaris
magnivelis Fr.		
semiglobata Fries.		
Hypholoma Brent. 1. 57. 16		
fumiato-pulcherrimum Hum. 1. 2. 13. f. A.		
fasciculare Sow.		
ciliaris Mass	Brent. 1. f. 5. Oli. f. 25, f. 24, a b.	Sept. abund about horse dung
contaminatum Fr. Berk:		
		& m. Oct. Sept & in horse dung in Shadwell road where
Pholiota Fries: Syn: 1. 83. 60 – Gyll. 1. 40. 38.		8 July: Newmarket heath dead.
Cat. B. 2. 11. 27.		1815
Inocybe Fr. Oli: Pz. 28. 11.		April under Dung, Swansea
obscurobadia Gyll. mss		
Hebeloma Fr.	quinquelinea Pz. 48. 6	April & whole of summer in horse dung Norf.
		& May at Wilton
Naucoria tabacina Fr. Pz. 43. 5.		Nr Cromer

Capitatus L. Pg. 23.6. — In summer on Lower Reedy, at Wisbeach, Lincolnsh.

Lineaculatus F. Pg. 23.2. — Lime under Dung, Windsor.

Fecum F. Pg. 31.3. — Lime, Dung, Windsor

Macrosporus a. F. Don 2. p. 3.
Lipsulatus F. Pg. 23.5. — Sale, in Dung of Sheep.

Scorpioides F. Pg. 47.12.
Phalacrocephalus Mur. 56.16.

Fer Equinarius F. Don 2. 70.1. Pg. 28.12 — April under Dung, Hampstead & Clapham Common.

Stoddartiae Lee Mar.
arenarius Ill.

120 Psammodius Gyll. B. E. 258.

Laevis F. Pg. 35.2. — Pentire point, North Cornwall.

Varicolor F. Pg. 28.13. — In March, Fulham, among Dung, C. J. Thompson
Sept. in pulped Cucumbers, Hooker & Knightswell, at Hornsey
Sept. Battersea fields flies, Dead Cabbages, Westleton

Scybalete F. Steven Cat. 15, f. 2 & F.
Pumilio Leiodes Mur.

Sulcator F. Pg. 27.13.
Pinus germanus Lin. 2. 566.6

In May Lowness Point, Orkney
Rev. Wallace Suff. Lowness
Sand hills, Weston-super-mare

121 Oxytelus Latr.

Sculptus Ill. Cat. Gen. B. M. 2.35. Pg. 37.2.
arenarius Ill. Dej. 16.270

Sec. [illegible] Common, Granville Park
in Lime Pit, Coast near Little Ireland, Ark.
C. [illegible] Kensington
in Old Lime [illegible] Sands [illegible]

122 Oxyp. Fab. Cat. B. E. 12. 574.

Maculosus a. F. Pg. 7.1. Steven 2, Fab. 38. Delph. 6, p. 10 fig. April, sandy places
Cat. p. 574 d.
in May Costessey Park under a Dead animal. Rabbit, Shrew, Hedgehog, Bird
C. Lime in abundance in a Dead Hook Cygnet, wood gravel pits
B. Pity Parks Heath & Mus. Fand J. C. D. Fortescue Coll. Blomer

Cadaverum Mur. 55.20.

Taken by Col. P. Cattlebury, during a flood at Lowness Suff.

ster, Bates.

scaber Ill — April, Gardens, under dry bones, stones &c.
scabra L. — May Halifax &c. in Crowley woods. On Woodwards. Coat, Hayes.
arenarius F. Pz. 97, 1. Lava Cat. Trans. p. 33. pl. 5. f. 4. — June Swansea in carrion on the sand hills. Dill.
Jardine Hall.
arenosus Gyl. 1. 11. 2. — Lava, pulverising together.
Lowestoft, Newiton

123 Geotrupes Lat. Cat. p. 266 — Rhombus Cadinus
Laevis Haw. Cat. p. 266. Cat. Trans. p. 79. — 6 July Downs nr. Ghetford
6 Aug. nr. Lyndhurst, 30th com. on Blackheath.
24 June nr. Tavistock

vernalis L. Dor. 16. 547. 1. Pz. 49. 2. — Spring, heaths & sandy places: nr. Godstone Surrey on Ellwster heath 26.
Aug. Lyndhurst, com. Swan Hall, Hof.
24 June nr. Tavistock.

mixtus Haz.

sylvaticus F. Dor. 16. 547. 2. Pz. 49. 3 — 6 July in great abundance on the road going to Sure Mountain
6 June abundant on mountains nr. Ambleside, but much blacker
in Lowes beach land, mice Tony

stercorarius L. Dor. 8. 264. 3. Pz. 49. 1. — Mar. mice Tony & Mar. in the road road sides, meadows & bitter & heaths
May
6 Feb. 1845 flying at Hayes.

chrysocephalus Haz: Cow B. M. p. 35. 1 Sup. 26. 19.

punctatissimus Cow: 362.

forcatus Haz: Cow B. M. p. 35. 2

solitus Cow. p. 362. — " Bond.

mutator Haz: B. 35.

124 Typhaeus Lea — Sup. p. 22.

vulgaris Lea Cow. p. 151.
Typhoeus L. Fab. Pz. 2. 13 — m. Oct. 8. under a dead rat, beneath which was its burrow
in many Ruffat of dead.
the Crowds. Epping, Ches.
19 Feb. Park, heath
6 Sept. nr. Norwich

pennicornis Haz: Cow. B. M. p. 57.

ovum 6. Feb. in large pellets of Horse dung a foot deep at Cranford. The larvæ were large on 8 March
egg?

[illegible]

[illegible]

[illegible]

30th. Sund. 8 g. swept grass late at night at Bristol R. D. Jaques.
Ches.

Hippocastani F. n. Doune Castle, Mr R. Hislop.

nicus } Antenna, Ann N. H. 2d Ser. v. 9 p. 240
ifile }

132 Amisophilia Mey: Curt. B. E. 526.

Mortiola L. Pg. 27.15. Stev 28

Arviola Mar: var. 20.70. Curtis gardeners Chronicle clock. R.A.J.5, 276. pl K, f. 13. 14

Agriola L. Pg. 27.19. Dun 11. 390. 1. R.A.J.5, 275-pl K, f. 12.

Donovani Mear: 20.77. Hook. Fl. Bl. pl 1 f. 2.

1st Large hedges Covelitte abund:
m. June Hedges & corn fields abundt: fruit trees
e. May 33 cutting roses, the leaves & flowers also of Apples & Nectarines
July flowers of Eglantine. In cupreads at St Michaels Mount, Cornwall, fruit on the Borage
e Jul: sea coast Carmarthen.
Jul: mouth of river Ogmore, Newton bay, Glamorganish. Britain

133 Hoplia Ill: Mag. 2. 280 Lat

subcoerulecta Ill. Fab. Mus

arenicola Mear: Pg. 28. 8

Phalangium granulata Curt. Pg. 28 fumosus

m June flying about rocks on sea shore black grey thin, all black legs
38 30. Clifton. Hotwell Bloof.
m July abundant flys at noon about heads of rushes & willows Battersea all black leg

134 Crioceris Fab. B. E. 280. Lat.

Lilii Clerck L. Ill. 1. 106. pl 4 f 83. Mus

roots of rotten willows in sandy places
Bred in quantities in the black of Elm in a forge at Paris

lanceolata L. Don. 4. 120. Stev 29.

coccinellata Pg. 31

Aug: Fort Augustus. M: Churchill Babington. Wales
12 July on thyme flower. nr Loch Rannoch, N.B.
m flower of Syringa, Filipendula & umbellata

variabilis L. Lat. Pg. 31. Mus Stev 28 f.

S. punctatus Fab. Pg. 31. 6.

Growing

in a decayed oak tree, Windsor Forest in company with Phaeus.
June, Penge Common 1806. found in the trunk of an old oak
Wimbledon Mr Coleman. 13 June; 25, 4 p: Riddlesdown, 1806.
e Jul: rotten Oaks, Tooting Common, Thos: Cook

rotulis L. Don: 5. 154. f. 1. 2. 3. Sam 1 f 2. Stev 29.

June flowers of Dog rose, Elder, Pithey barks & Phaeus
5 May a large number were found by Mr Thomas in the decayed trunk of an apple tree at Hammersmith & 50 in vegetable mould in a cabbage tree in Richmond by Dr Donovan: also in plum trees, Thos.

135 Cetonia Fab: B. E. 574. Lat. Mus 29.

aeruginosa L. Curt. fol. 374. Pg. 1. 2.

Greenii Don: 12. 418

Lucola Fab.

Windsor. in apple blossoms also at Chichester & other towns; South.
Roses & Thistles in France

aurata L. Pg. 31. 15. Lep. 4 Fab 11. R. 2. 5. 3, 317 pl. E. f. 33.

e May on candy tuft in a gardens Fulham on umbelliferous & Juniper flo
June Peony, Elder flowers, mountain ash. Lady & Lady Islands very abundt: golden
July Rosso Pg. abund
Aug. Sept.

136 Rhodocedron Fr. Curt. B. E. 478.

cupreadinosus L. Don: 8. 308. f. 6. 13, 645 red 100

June on old trees Mr Jas: in Bexley & Darent; Newcastle; Clifton
Decayed old oak tree Swansea: rotten apple trees & Wood & Maple
25 Apr: in an old ash. Walnut tree.

137 Lucanus L. Curt. B. E. 490.

cervus L. Don. 1. 15. Cut. Mag: 1. 86. Stev

dicranus Mear: q Don. 12. 200. Sam. 1. 3.

June 23 abundt: Mitcham & Croydon. Combewell. Darent. Decayed oaks.
6 July air: in lanes, skirts of woods; trunks of trees
q 6 Aug: common about roots of trees Kent & Hum. q 6 June, Colchester

Tarandus Pg. 30 Ent. Trans. 77.

Pg. 30 in London as Cervus eggs found of earth pudding & sawdust at a grocer's stall
Mr Walker, Smithy, ate 2 in a wheelbright's yard

grandis Mann: Ent. Trans. 77.

Phycodorthia R.
ovularis Renous. C.B.E. pl 526
E.M.I. 509.

12. June in abundance on the Rubus saxatilis in S. Arran Islands Ireland, they dropped into the heath as if dead when disturbed: Mr R. Bate
6. Jul: said hills w. Ronidstone. Wm Macaulay. N. Coast of Ireland, Berwick
July S. Theodore.

S. Thomas found a cave in Spring, in the trance of a deserted lock, three summers back, he held them moist in a box in the cellar & fed them with bits of white hearts of oak. Two remained alive & at a month. Eleuthera state, where is bred. Mr Murdoch.

anea

Scotland, Weaver; Corrie, Rannoch.

Lava live 3 years in Aquarium & feed on the eggs & pupae in the nest.
R. Weaver

Stoddart Kirkwick Aug 1815 with impunity, while Rockbaches Garden are rapid Destroyed. Mr Slade

Dorcus

parallelipipedus L. Dor. 8.264.1.
Capra Pz. 58.12.

Chevrolat has found one grinding a Helops caraboides with its mandibles

m Aug: hedges nr Sandwich. decayed trees Norf. especially willows & ash.
m June 4th sw. rotten trees Spathawaye nr Colchester
Oct. in rotten Hornbeams Rainault

138 Platycerus Ill. F.E. 5, 2.

caraboides L. Marsh. Martin
Pz. 58.13
mufipes F.

Bristol Mr. Waring: at Cyfair; Aberdeen: in fratis sylvaticis in thick woods
May on afternoon flying in sunshine round young underwood of Oaks nr Paris. feeding the bird Kenna up myself in the cavity. M. Boulard took ten pairs in 9

139 Platycerus Ill.

depressus Pk. 103.1 a.b. Pz. 80.6. Man. 98.16. Feb. under bark.

elongatus F. Pk Man. 10.3. ol. 1 t. 2 f. 14. Feb. under bark

140 Dendrophilus Leach. B.E. 131

1 picipes F. Pk. 8.5. Stur 19 f. a Pz. 43.6.
fuscipennis Man.

Feb. under bark

2 Milleri Lea

3 flavicornis Herb. Pk. 18 f. 6.
minutus Pz. 93.3.

Feb. under bark

4 Seminulum K.
picens Pk.

near gravel pits Coomb.
June

5 punctatus Pk Man. 17 f. 5.
Cooperi Ste.
picens Man: 97.15.

June on an oak bed Windsor forest nr Bolleti in abundance
May under bark. In a rotten apple tree, Hammersmith Stevens. White thorn bark
Rainault forest S. Norman.

6 rotundatus F. Pk. 17 f. 3.
picens Man:
Curtisii Lea

m. Mar: at Foles Drayton, Norf; near Kingsland
Mitford warren & nr Norwich. J.C.
June Rathillis, about the Stables.

7 Sheppardi B.E. 131.

in a dead lizards head

Sept.

141 Hister L. Curt B.E. 470.

4-maculatus L. Curt fol. 470.
lunatus F.
uniformis Ol.

July & aug. on Pegwell bay & near parts Gosport, abund. Southend, Parsons.

unicolor L. Pk. Man. 12. f. 7. Sturm tab 16.
inaequalis Man:

May in dung & dead animals Norf. Coombe.
June & of Wight
in Oct.

Vide M. Marculs Mon: in Ann. Soc Cat for 1853 to 1854

Pygmaeus F.
5. Cooperi Ste. — m. May to oct. of an old apple tree, Hammersmith, S. Stevens, in abundance

6. H. obviatus Ste — Apl. among fell refuse Battersea field. Mäkyrisbach

cadaverinus Pk. t2 f.8		m. May in dead moles Hatfield & in Dung
unicolor Mac. Ol.	Pg. 4.2.	June
Brunneus F.		m. Oct.
merdarius Pk t3 f.1. & tab 1.		Apl. Dung in fields n. London
		Aug. in Bolete Shiam for.
4-notatus Ill. Pk. t12. f.3.	Pg 80.2.	Apl. Dung
4-maculatus F.		
sinuatus Pk. t12. f.2. Stum 17. f.A.	Pg. 80.1.	Apl. Dung n. Bristol.
4-maculatus Mac. Dm. 15.525.		
12-striatus Pk t3 f.5.		May Dung of horses
bisexstriatus Duft.		Raebills
6-striatus Gyl.		c. Jul.
bimaculatus L. Pk t3, f.6.	Pg. 80.4.	June under Dung of Cow & Sheep Horse Dung in Orchan frames Fallowm
erythrostomus F.		c. May in warm weather on Horse Dung abundt at Ashton Bryan & Yorks, Mr Wright
		in Apl. one at Cambridge rest. Hayes.
parvus Mac. 93.3.		Apl. Dung Horse & Dead animals
bisexstriatus Pk. t3. f3		June
stercorarius Pk t4. f3		Apl. Dung
neglectus Mey:		Apl. Dung Horse.
carbonarius Pk t3 f.8. Schaf. Ic. 122.10		Apl. Dung
12-striatus F.		
inbrunnus F?		
furfuraceus F. Pk. t3 f.7.		m. May Hatfield warren. Apl. in dung Horse.
bipustulatus Mac		June concealed under Potentilla argentea in Ogier Holts, J. Burrell
brunneus Mac. 94		Dung - Cow Cowd.
virescens Pk t6. f7.		June under Dung: corn field Household & Staff. 6th one running among st other
		grass top of the Warning staff
smaragdinus Lea		m. June in a dead Pig. Acton green, Mr Mathews
smaragdulus Pk?		
metallicus F. Pk. t6. f3.		June Yorkshire
nigricaps Duft.		c. May & Aug & Nightingale wood near Carlisle Cantabr.
aneus F. Pk. t6 f6.	Pg. 93.2.	m. May Dy of Portland
		c. June under Dung Horse: Dead animals Coombe.
4-striatus Pk. t6. f5.		Nelson, Manchester.

Manchami Step Ill. 3. fol 18. f 5.

Corvinus Germ
N. striatus Duft.

Nigrita Steph

Leachii Steph

quisquilius Ste

Kirbii Ste

castaniceps Kirb

caliginosus Ste

violaceus Mus. q6. 10.

semistriatus Ste.

Speculifer Lat. Pk. 46 f. 6. — May Dung
fulcherrimus Hk. f.

conjungens Pk. f. 6. f. 1. — m. May I of Portland
maritimus Hk
subquadratus Hk.

nitidulus F. Pk. f. 5 f. 3. Pz 93. 1. — c. June Radcliffe, under Dung Wrf. in Dead Birds, Crow &c
semipunctatus Pk. f. 5 f. 8. Sam. E. I. — b. Aug I of Pr.
annularis F.

142 Abraeus Lea

globosus Pk Mon. 8. 2. — June under stones
perpusillus Mac

minutus F. Pk Mon. 8 11. Mann 1. 19 f. 8 — Mar under Dung
minimus Mac: — Sept. Decayed Cucumber in frames, & dead in a rabbit hole

143 Onthophilus Latr. B. E. 220

sulcatus Lat. Gal. 220 Pk. 10. 8. Pz. 80. 5. — c. 20 Aug 1816 of Mr Withington Garden Wrf.
globulosus Ol — Spring in Dung & putrid carcasses

striatus Fab: Pk. f. 11 f. 1. — June Dung of horses, marshes Wrf.
sulcatus Rossi. Mann f. 14 D — July

144 Microsphaeus Lat. B. E. 204

horcatus Pk. Fab. Ol. 3 tab. 2 f. 33. Mac 1826 — E. Aug. f. along Rye Bank. N
sulcatus Hab. — May grassy & sandy places Wrf. Bagley Road
June. Fd. Mac.
Nov. out in fading at Barham Suff.

Staphylinoides Mac: ~~Gryll~~ Steph. — Feb. sandy places
Mann Mann. 2. 111 2. 201. Mac. 137. 25. — June, Colefax
Oct. Dunghills Ireland

Tessula Hat. B. E. 204. — b. Feb. 27 out of a fend in a manure at Belfast.
Staphylinoides Gyll.

145 Carpophilus Lea.

hemipterus L. — Feb. in manure in Drums of Rye. Nat. in fruits of Florilus, Sweden
plexuosus F.
pusillus Hk:
bimaculatus Ol. 2. 12 f. 11

145a Pria Kl

dimidiatella

145b Anisocera Swift Steph. Ill. 5 p. 288. Cromozera Mark. Gal. Ol. pl. 30 f. 2.
Spica Swift — Mr Walton Knowsley & Mr Rawdon, Nottingham

146 Catheretes Herb: Gyl.	Brachyptarus Dugel:	Cercus Lat.
bipustulatus F. punctulatus Mac 126.35.		Apl. banks Babersea: on grass at Bosey 14 July, Downing
pedicularius L Pg. 7.5. unicolor Mac: similis Mac		Apl. flowers of Ranunculus Ficaria
Caricis K. nufilabris Lat.		Junci u: Hall.
Junci Sp: nufilabris Lat.		29 June Clifton. 6. June New forest. 11th among of Rushes in meadows by Mill at Ottery 14 July, Downing & Trumpwells rushes. 27 June Dudley clinic, at Bournemouth. 20th Lymore quay, common.
Urticae F. fuliginia Mac: 128.23. centellatum Pg. 4.11. abbreviatus Hub.		May flowers in hedges Mellis, Norf: April 7 of May on grass
Linariae K [illegible] Lat		Norf.
hyperhopus Mac.		
nufiornis Mac: 131.7.		
147 Meligethes K.		
erythropus Mac: 132.10.		May on Erysimum & flowers in hedges.
nigrinus Mac: 138.27. aethiops Lat?		Radwells May, flowers in hedges Norf.
latipes Mac pedicularia? L Ol. 2. f3 f 21. sordida Ill.		6. July Essex
caeruleus Mac: aeneus F. Ol. 2. f3. f 20. Pg. 83.6. Nitidulaeneus viridescens F. Ol. f4 f 30. Pg. 83.7.		May flowers in hedges: abt. on Mellis Norf. Willow 14 July 32, Trumpwells
rufipes L. Delg. Mac. 130.2. flavimanus K.		May flowers in hedges & sides of woods Norf. 28th Gl. West 6. Sal. Bodean woods
Dulcamarae Ill:		
subcoelatus Steph.		

Agaricus L.

nitidus L.
glaberrimus Pk.

glaber New. Eng. Mag. 2. 200

On Willows in about Det. Massachusetts Middlebridge, Denio.

subrugosus Gyl.

nigricomis L.
scriptes Gyl.

xanthocerus St.

nigra New. Eng. Mag. 2. 200 Inside bark of L.

In Hous D. Willes

pedicularus St.

nigrescens St.

128 Strongylus Herb: B. E. 339.

strigatus F. Py. 83. 4. — Mar. under bark Coombe w. In moss, Madingley. J. V. K.
mudata Mar: Ol. 2. f. 3. f. 17.
imperialis Ste pl. 16 f. 5. — c. Aug. old oak tree Windsor Park

imperialis F. Cut pl. 339. — c. Aug. old oak tree Windsor park
nebulosa Mar: — c. May off White-thorn, Lyndhurst. J. C. Smith. Mar. under bark Coombe w.

Phalycrus Eric
fervidus Ol: 2. no 12. pl 4 f. 32. Gyl. Step. — Rachills, nr. Arundel
fervida Mar. Erich.

Ostoma Latr.
ferrugineus F. Py. 84. 2. — Some w: London
fulva Mar: 136. 21. — 16 July 52 off Willows. Tunbridge Wells, J. C.
striata Ol. 2. 12. pl. 1 f. 7. — Some fungi Cossey Park

Camptea Kirby. Cychramus Kugel. Curtis B. E. pl. 339.
lutea F. Ol. 2 No. 12. pl. 3. f. 28. Py. 83. 3. — m. May, Southgate
Boleti Lam: — Some Rachills abund: in putrid fungi: flowers of White-thorn. 13 Aug. Brickleton.

129 Nitidula L. Cut. B. E. v 15. pl. 675.
10-guttata F.

oblonga Herb: col. v 5. pl. 54 f. 4.

æstiva L. Ol. 2 no. 12. pl 3 f 23. — c. May abt. in flowers of Viburnum opulus Lyndhurst. 28th Gl. Wood

villosa Thun:
æstiva Mar: Fol. Py. 84. 7.
depressa Ill.
affinis Mar: - Ste 3. 40.

obsoleta Gyl. — Some fungi Norf. & on an Ash at Wrentham. 20th abund: on Fungi in Larwood & Cowie's collection.
unicolor Ol. 2. pl. 2. f 9. var. — m. Aug: in Boletus imbricatus
Larva in, in half rotten field manure. Bondle
4-pustulata F. Ste pl. 16. f 4. — 6. Some, under bark of sleepers of recently felled trees Lyndhurst.
variata Ste: v. 3. 36. 10. — 4 Aug: in a Boletus at foot of Elm, Keyham. 26th Barent.

impressa Latr. Kirb. - Ste 3. 39.

obscura F. Ol. 2. pl. 1. f 3.
rufipes L — Some in dead animals.

bipustulata L. Py. 3. 10. — m. May in dead mice & birds: dry bones on heaths.

nitidula estiva flowers flan. Wooster
obsoleta ICD
obscura do.
bipustulata do
limbata? do
discoidea do

color? ICD
depressa do
grisea? do
punctatissima? from Rudd

pallescens Ste 5. 406.

silacea Herb. 5. pl. 53 f 3.

melanocephala Mus. 136. 22.

variegata Herb. 5. pl 54 f 3?

fuscicollis Waterh. Ste 5. 406.

fusella Ill. Syst. 1. 227. 15.

truncata Lib. Ste. 3. 39.

pygmæa Gyl. 1. 225. 13.
~~sufamarginata Ste.~~

melanocephala Mar: 136. 22.

limbata F. Ol. 2. pl 3. f 12. — in Boleti boxes abund.

discoidea F. Pg. 83. 5. Sam. pl 2. f 5.
Ol. 2. 12 f 8. — 21 Apl: on a lime tree wood, occ.
May moist boxes & dead birds

bolon L. Gart B. 2. pl 675. Ol. 1. 11 f 4.
hamulordatus, var. Fab. — 6. Oct: Norm Court
6. June decaying bones & dead birds Norf.
31 July, under dead rats, Mottisfont

depressa L
sordida F.
varia Ol. 2. pl 2. f 10. — June decaying bones Norf: under bark Comm.

grisea L. Trans Lin Soc. 1. pl. 5 f 6-11. — June dry bones
8 Aug. large insect in a boletus at foot of Elm, Longton
varia Fab. Pg. 105. 2. — Dec: under bark of trees & Salix viminalis.
variegata Ol. 2. 11 f 1.

fumetatissima Pz. 25. 7. — Aug: in rotd at foot of old oak trees perforated by larvæ, Shirenewton

marginata F.
biloba Pz. 25. 10 — June dry bones Comb & old Standile Shelling at Darent,
July Birch-w. Charing Kent, Mr Marshall. Sent upon & under birch trees, by boring
aug at Birch-wood, S. Stevens.
Sept.

150 Phyzmalus Lat. B. E. 39. — ♂

limbatus F. Pz. 41. 8.
lunnea Pk. — June New forest at Mr Brockenhurst & Lyndhurst, under bark of decayed oak
July Mr Leeds; on a flower Mr Westerham, Kent. Bark of fir trees, Leicester Bates
May & June under Birch bark Shiren. forest.
Pupæ found by Rubé in corrupted oak of Oaks

151 Ips F. — B. E. 306

4-guttata F. Pg. 3. 18.
10-guttata Ol. 2. 13. f 24 var — May 1815. on felled oaks, where the sap exuded, New Forest. Buddon. under bark
June under bark of sleepers where it is moist S. B.
Aug: Shiren. for.

4-punctata Ol: Hab. Gard pl. 306.
2 f 3 f 19. — taken with the former under bark of decayed stumps of trees
weeping near Oakwood, Stirling. R. R. G. 4 of 10.

4-pustulata L Ol. 2. No 12 pl. 3 f. 22. — 0 Rachills, under bark of decayed fir-trees, Mr. Little
May under bark of Birch & Willows. Marley decayed stumps in Sept.
July
aug
Sept
Summer Rachills: under bark of dead pine trees, sometimes abund:

Nitidophagus Shuck. E. D. pl 30 f 8.
ferruginea L.
sumuroides Pz. 8. 15.
linearis Lat. — May Norwich: Manchester
15 June under bark of Scotch fir, Stirling. & Black Park in a stump.
Aug. Shiren: for:

152. Engis Pk. Fn. — Dermestes Lat.
rufipons F. Pg. 30. 19.
rufa Mar: 3. — May
in June in abund. in a Boletus. Shotover hill Oxford: Norf.
Jul.
Dec.
Sept. in Boletus.

rufomarginata Dav. - Ste 3.61.

Dak; Hainault Forest, Nasman

funeralis F. — Bray under bark of trees & boleti Nor.
scanicus L.[2] Pz. 6.9.
flavus Mar: 112.19. — Do

153 Biphyllus Dej: — Colobicus
lunatus F. Pz. 75.12. — in Sphaeria of the ash, Barham
Sphaeria Mar 112.21.
punctata Ross. — Mar, Luna in Sphaeria concentrica Per: on ash dead, Pulpse on & earth Pers

154 Atomaria K. — Anisandria Platy: wide marsh — Sturm Deut. F. v. 18 f. 1.
perpusilla Mar

Rachills

Melas Mar: 78.58.

pilosella Mar:

nitidula M — Cramont

brunnea M

Mycetoaphagus — Curt. 4. 2. 502. wide marsh
hirta Mar:
subterranea F.

Atomaria K. — Sturm Deut. Faun. v 18.
castanea K? — m. June 17 abundant under slate, covering Cabbage leaves & with A. atra

atricapilla K? — 25 June 82. Tunbridge Wells.

nigripennis Pk Gyll. 1. 179. Stur. fl. 334. C. — Ang under bark & damp wood.
ruficollis Pz: 99.15.

Mesomelas Pk. Gyll. 1. 180. Stur. fl. 333 f. b. — Ang under bark & damp wood.
Stum abt m. Dec of damp grand a cold spot Mountsorrel & St Cross
phaeorhoea Mar:

dimidiata Mar 112.21.

atra Herb: Kiel. fl. 5 f. 5. Sturm 18. 42 f. 3. 329. 2. — Delmeny park, K. M. Cy.
nitidula Mar — m. June 17, under slate, covering Cabbage leaves & in garden with A. castanea.
fuscata Pk.

ruficornis Mar: 125.32.

16[a] Moracia Ste — Rachills

fulviventris Ste.

nitida Ste

Ach. universa Dried Sea-weed, Hartlay. R. D. Spence
Rachills.

punctatum Cyl. punctulata Ste. . . . . 2 Mar, on stool of large lee Gravelly wood, Wilton

pallida Wollaston Ann & Mag. N.H. No 122. Jan 1847. v. 18 p. 452 pl. 9 f. 1. . Fulbourn w. Cant.

fumata Mars.

bicella K.

testacea K.

gutta Mew. E. M. 2. 202. Stur. f. 29 fl 335 f. 6. sellata Ster . in moss Lincolnsh: Davis

dorsalis K.

ruficeps Ste.

20 linearis Ste. Man. dumetorum Dej. nigriventris Ste. Stum v. 18 p. 21. fl. 331 f. D. Rachills. St Dowes Redbut w. Lisle

L

fuscipes Gyll: 1. 182. 21. Sturm v 18 f. 30 fl. 333. A.
carbonaria K.

8 June St Cow said fist. Lt Wm W: Knightsbrecatte
Radcliffe.
In nests of Formica fuliginosa, Sturm.

Phæogaster Mar: 125. 33
fusilla Gyll. 1. 183. Sturm 18. 52 fl. 338 f. C

16 June Wrentham
8 July 5 ab. on rushes, gravel pits, Sandwells

evanescens Mar: 126. 34.

nigriceps K.

producta Wilk

154a Myceta K. Curt B. E. 502. Silpha mars.
fumata Derm: Mar: rubida
1. hirta mars.

o Radcliffe: palings & posts round hay stacks, abund: Southgate, Hayes
Sept. Oct. in corks of bottles in cellars. Cucumber beds, Epping.
Aug under bark: decayed posts in Norwich.

154b Phloiophilus Water:
Edwardsii Wat:

June abund on dead branches of Oak & hornbeam cov with Lichen, at Colney Hatch & Southwood, Highgate, E. W. Janson

Cooperi Ste:

Sept. in abund: on maples cov with Lichen farinosus at Oakbrook, Bletchingley, Surrey. T. H. Wollaston.

bimaculatus Ste

155 Antherophagus Meg: Curt. B. E. 546.
silaceus ~~Hub~~: Gyll. 1. 175.
nigricornis Fab. var S. B. E. 569. Sturm. 18. 63 fl. 340. A.
castaneus Mar. var

6 Jul. on umbellifera A. N. N.
2 Aug on Hedsid: Oxfsd: 3 52 Parsnip flowers, Shakspear Cliff.
June

fallens L? Mars. R. 5., f. 2, f. 25.
Sturm fl. 340 f. B

in Aug. off grass meadows Sandwich & umbelliferæ nr Dover
in July in flowers of Anastia Battersea. Birch-w.
6 June Parent wood: umbelliferous flowers Norf: not uncom: Oxfsd Devon
2 Sept. Dorset.

similis Curt: B. E. 546.
~~glaber Gyll?~~
fulvus Gyll?

21. July on umbellifera nr Dover. Birch-w.

156 Cryptophagus Hub: B. E. 160.
1 bituberculatus K.

2. Sept cow in Bisp. Calls at Heron Court.
Larva in Lycoperdon

Populi Pk. B. E. 160. Gyll 1. 165. 1.

Aug in decayed Poplars: in an old post at Sand: ~~Cobham Park~~, Norf.
Sept
Oct:

fumatus Mar: 110. 12. Gyll.

Winter in houses
2 Mar about kitchen in Farmyards
Apl.
8 Aug. 28 many in bail wheat by Tunfan 3 nr Lancelles at Cobham.

1a uncinatus Mar: Wp.
cautanguleus Gyll?

Anisarthria Wstr.

1 punctata Ste

2 minutissima Kirb.

3 perpusilla Mac.

4 Melas Mac.

5 nitida Ste

6 filiscella Mac.

7 nitidula Mac.

8 brunneipennis Mac.

silvicola Verb: Kaf. 4. 169 pl 42 f 7. G.
Shuck pl. 339 f. A.

L glabra Gyll 1. 178. 15.

in nests of Bombus muscorum Sweden
Saby, Bäcke-w. Stav.

innocuaria Ste.

Lycoperdi F. Gyll	intermixed Lycoperdon Bovista
rufa Mar:	8 Oct: Robinson by Shalcome
Fungorum Pg. 39. 14	2 Aug. Lawd fungus & beetles in manure in west of Brudus Dentiancellus. J. S. Rid on Stones, Fway.
affinis K?	
marshami Ste?	
6 cellaris F. Pl. 2. f.	2 Aug. window of Inn, Sconaway, Skye, from the Hay-field
denticulata Mar:	Oct. Horn Court & Paling Hampstead under bark in houses
Seminus L?	March in decayed apples J. F. bud by Newport
	2 Sept. house, Snodgate. 24th 52 [illegible] in Boletus of Ash, nr Newson Fakenc
	Larvae in rancid Walnuts & grains of Marge altered: Perris. In roots of [illegible] Newport
Parmularia Fr. serratus Gyl l. 171. 7. Sturm 18. 78 fol. 319. B 16. 109. X 362. D	Aug under bark & in [illegible] flowers of Salicinus.
	Sept.
	Oct.
Ulicis K.	10 Apr. 54 Flowers of Ulex, Weybridge J. C.
Abietis Pk. Gyl	Spring in leaves of Spruce-fir.
obcordata Mar:	&
Fungi Pg. 20. 16.	Autumn
Typhæ Gyll. 1, 172. 12 & Ob. 2. VI. 12	6. July in abundance under the base of the leaf enveloping the stalk of Typha latifolia, nr Rougham. Sandhills Norfolk, & Sept. 29.
	Aug under bark
Caricis Ol:	2 June Dgreen & nr Sotwell. Aug. Sept. Oct. inside flowers of Sparganium & Carex: under bark of willows near Pitt Pond, Rougham
	Larvae live in the seeds of Sparganium ramosum Perris
Typhoa Lib. Crit. B. 9. 15. 702.	
Sparganii Ste? Ste	2 June on Sparganium D? Lond
	Larvae live in seeds of Sparganium ramosum Perris
fenugineus Mar: 125. 31.	June leaf in Boleti cons: under bark of trees
fumatus L? Crit. B. 8. fol 702 B.	Mulberry-mantle in hot-house leaf.
testaceus Ste crystalli variabilis Pk.	flowers, rotten-wood & fungi nr London
tomentosa Ste var.	2 July Hyde
157 Byturus Lat: Crit. B. 8. 618.	
tomentosus F.	9 Aug: Isle of Bute. D? Lowe, Hamilton
flavescens Mar: Dej. 4. 5. f. 18.	Flowers of the Hawthorn, Bramble, Raspberry, Stellaria & Lotus
fumatus F. Silpha testacea L? Pg. 97. 2 & 3.	June Bird cherry & Mountain Ash.
	6. May yellow one in abund: Kimpton
158 Triphyllus Mey: B. 8. 156a.	
punctatus F. Pg. 12. 12.	6. Aug: out of Boleti on beech Hum. Hants & Norf: Thrum for:
humeralis Mar: Dom. 15. 538. 3.	2 Sept. Larvae in Fistulina hepatica. They pupate in the earth. Perris
bifasciatus Lat: Gyl: Pg. 2. 22.	2 May fungus of dead trees Lycoperdon & under bark of Hornbeam. Hemsall
signatus Pg: 57. 20	Feb. abund: under rotten bark of Hornbeams, Norman

californicus Ste.

vastellatus Raw. E.M. 2. 202. In mus. D. Waller.

159. Mycetophagus Fab. B. E. 156. Gyl. 3. 387.

4-pustulatus L. Dow. 6. 185. 2. — June fungi & Boleti Norf. at base of trees. Boletus cellulosus under bark of rotten Hornbeams, Hainault forest.
4-maculatus Fab. Pz. 12. 9.

piceus Fab. B. E. 156 limaris F. — Mar in Boleti. Apr. under rotten bark of Hornbeams, Hainault forest
variabilis Ste Gyll. Crannon Pz. 5. 21. — Sept.
populi Ste. undulata Fruſa Mars 139. 2. — Oct in Boleti nr. Holt. Norf. J. C.
atomarius F. Dow. 15. 538. 2. Pz. 12. 10. — Aug. Boleti, Bungay. May under rotten bark of Hornbeams, Hainault forest.

multipunctatus F. Dow. 15. 538. 1. Pz. 12. 11. — Apr. May Dry boleti, Ditchingham Norf. under rotten bark of Hornbeams
varius Mar: similis Mars. mus. 140. 6. 140. 5 — June, July. multitudes in boleti of Willow, Cranford.

160 Tetratoma Herbst B. E. 123. Fab. Gyl. 2. 554

Ancora F. B. E. 123. Pz. 9. 9. — from E. Dec. to E. May in rotten stumps of oak & hornbeam branches, Colney hatch, E. W. J.
Wall top nr. Cranford, sweeping mix in fir-trees, Dalmeny park N. N. G.
Jan: in moss Colney hatch, Southgate & Epping forest
27 May 24. Colney hatch E. J. B.
June, Hainchham.

fallida Curt: Ann. Nat. Hist 5. 276. — E. Oct: among dry grass under trees Southgate, J. W.

Fungorum F. Pz 9. 11. — May Fungi in woods, at roots of trees
June
rotten in moss & decayed trees Putney heath, Doug:
Aug. Shirley for:

161 Triplax Pk. Curt. B. E. 706.

aenea F. Curt. fol. 706 — E. June trunk of a holly tree, New forest. J. C.
on decayed willows two fungi abund: at Ockbrook. Rev. S. Hey
22 on an old Ash-tree, Trumpington. J. F. W.

rufipes F. Pz. 13. 7. — Aug: on dead trees Coombe & Windsor. B. M.
E. June of nettles? under Birch trees, Elmington wood nr. Peddlestown. It is bicolor

bicolor Mar: 12. 18. Ahr. 12. 16. — June Coombe & Cambrook.

ruficollis Dejr. Hfs Ill. fol. 171. 6 — nr. Windsor

russica L.
nigripennis Pz: 50. 7. Fab. — Apr. sev. in Boleti, foot of Ash-tree Ditchingham Norf:
castanea Mar: v. — June New forest. Aug: com. under Birch bark, Shirley for.
Anthribus suber Dej. 5. 283. pl 8. f. 12. 15. — Winter under bark: it flies in the evening
Lawom: Aug: in Boletus hispidus Bull: on sickly Apple trees. L. Dufour Ann. E. S. 11.

172 Cypha K. Hypocyphtus Schuf.

~~Longicornis Cryt.~~ laeviuscula Mann:
nigripes Ste

rufipes K. longicornis L.
acuminatum Mar:
granulum Lp. granum Sam.
parvula Sp:

Agaricina L.

26 May Holmst gravel pits
2 June Knighton

Demarchii Lat. G.B. 2. 180. Zool. 2110.

Dec. in oak Boletus
Oct 15. in partially decayed Oak Bough, Hanault Forest, E. W. Janson. Chatsworth Pk
Sept. 10 & 30th. Hardwick Pk Derbysh. under bark of Decayed small Oak; J. Walker.
Feb. 25

fucta New E.M. 2. 202.

In mus D. Wailes.

62 Tritoma vide Gen. 116 – – 163 Diapeni vide Gen. 260 –

Sphinx Mag. Chev.
Gyllenhalii Dej. Shuck fl 55 f 1 Sherwood For: rare.
dubia Gyl.

wide very thinning.

Liquidata Matt. E.M. 5. 198. Mar. 37. Weston

Anisotomoides Ste

173 Scaphisoma Lea: Silpha Mac:
1 minutum Curt.

2 Boleti Pz? Mac Pz. 12. 6. — Letheringsett, Norf. upon an old Post, J.C.
Agaricinum L. Pz. 2. 2 — 6. Sum on Boletus versicolor & Fungi on at Mancdenhead.
Oct: stumps of trees, New Forest.

174 Scaphidium Ol. Curt. 379.

4-maculatum Ol. 2. Pz. 2. 1. — May Fungi & rotten wood & under bark Norf. Suff: nr Bristol in abund
6 Sum boleti stump of tree Lyndhurst west J.C. Lord Spencers Park, Clifton
Dec. Combe: Clinger & Ebbs: nr Swansea under bark of decay'd oaks

175 Trichopteryx K. Curt. Cat. 341. Hilium Schmp. Gyll. 4. 293. Guerin. — Sturm Deut. Faun. v. 17. Larva, Pupa &
atomaria Deg. 4. 218 pl. 8, f. 16-20. Sturm pl. 322, 3. — Cremieu Lodi, Spring. In dung hills, rotten fruits & decomposed vegetables
minutissima Mac: 125. 30.
? fascicularis Hart Kf. 5. 8. f. 42. f. 7. Sturm pl. 322 f. 1.
Perris in Ann: S.E. 1846 p. 465. pl. 11 No 2. f. 1-14.
Rochelle
6. May pupa on a heap of Elm-leaves & beetles round them
Larva lives in little Podaria
Cremieu beds, Spring
minima Mac

puella Gyll: 4. 1897 p. 293. Sturm pl. 327 f. 3.

punctulata Wilk

hirsuta Sp: — Aubé Ann. S.E. 2. 9. — 25 Sept. in dung of Melon beds nr Paris

176 Mycetaea Lat: Catops. Pk. Cholevia Sp.
1 brunneus Lat: Sp.
brunneus Pk. Cat.
Adam. Ostiacus Pz. 57. 23? — April meadows, &c. of England.
June & July. Holywood near Cypresscourt, Galway, Kal: rare.
23. July, Tunbridge

177 Ptomaphagus Ill Kirch.
truncatus Gyl.
villosus Sp: Lat.
alpinoides Mac.
Germaropides Pz. 57. 2. Germar Pz. 73. 10.
velox Sp:
agilis Pz. 95. 10?

Oct. Ramsgate
13 May in a dead Hedgehog Middletown, Isle of Wight.
May under stones
Apl. Dunmow Norf.

Rochelle; Norf: Ipswich. Devon. Hedgehog nr. Leicester.

fumatus Sp:
agilis Gyll.
fuscus Ol.

m. Oct. rare in a dead mole Kersm. Cumb
6 June Rochelle; Lowther, gravel pit, in a dead rook

Watsoni Sp:

m. May under dead moles Wolford Warw
Apl. in moss from Hunby, Lincolnsh.

anisotomoides Sp:

Suff. In dead leaves at Grantchester, Cambr. T. R. W.

Wallwood forest

nana Pk. Ill. 3. p. 60. ? Kunzei Necr.	Stur: fl. 326 f. 3.	Wall top, Barnton Park. Mr. Little
perpusilla		Rathills.
minuta Pk.		
? Man Nec. E. M. 2. 201		Out of mov: Cases.
Leptinus Mull. Nestaeus Mull		Boyhill, Jameson.
2. appendiculatus Sahl.		July Holywood, 1. Nat.
3 fusculus Erich.		June Holywood, 1. Nat.
4 spinipes Nat. Cat. p. 190		June Holywood 2. Nat.

Wilkinii Sp:

178 Catops Pk Curt. B. E. fol. 566

fornicatus Del. v4. pl 8. f 15. Apr under dung, on heaths, Norf.
nigricans Spe
scaticata mas var.
sericeus Pk. Spen. Apl. in moss; under stones, shady places Norf: among ? hubage Swansea

tristis Pz. 8.1. Apl. with the last.
clavicornis Mars.
morio Pk. fornicatus Ill. Gyll.
festivanus Sp: Linn. Trans. v 11. p 125. shady places.

chrysomeloides Pz: 57.1. Lat: Spen. Apl. Dung on heaths Norf.
m. May, under dead moles &c in banks Thetford Warren
9 Nov: abt in a dead hedgehog nr Christchr.
m Oct. in a rabbit burrow. sand hills, Pegwell bay: sand hills Swansea

Leachii Sp:

Kirbii Sp

caliginosus Sp.

Marshami Sp.

dissimulator Sp: Curt: B.E. 566. q Norf & Suff.

179 Cholera Lat: Spen. Catops Fab: Gyll Ptomaphagus Ill.

angustata F.
oblonga Lat: Spen. Sam: 2. 9?
elongatus Pk. Gyll.
picicornis
gansapata Sp: apl. Norf:
m. May Thetford on Brambles
e June in moss & under stones
m. Sept. on Dauta dysenteria
m. Oct. Heron Court.
Isle of Wight

agilis Sp:
Sutona dubia F.
fuscus Gyll.
Helops fuscus Pz: 18. 1? 5 July Cambridge
Apl. under Dung on heaths

180 Phosphuga Lea

atrata L.
pumetola & brunnea Nicb.
Piedmontana F. var. Ol. 2. t1. f6. Apl. Pathways Norf.
m. May
Isle Isle of Wight.
Oct. under bark at roots of trees in moss

fratra Nov: E.M. 1. 507.	Halifax: in Mus. Davis.
nubifer Nov. E.M. 1. 507	Halifax
Soror Nov. E.M. 1. 508	Halifax
10 affinis Steph	
11 elongatus Steph	
12 fulvicollis Steph	
13 Sphenis Steph	

Lebinus
Tetranus Steph

Sphaerites Duft.
Iglabratus Fab.

Dorsetshire

Sine Aberdeenshire Kimoile
Berwickshire Hardy.

subrotundata Lea: — m. May Swidw a stone I of Portland
June beneath stones Ireland.

181 Silpha L — Cust. B. E. 16. 742. Hew 38

lævigata F. Ol. 2. No. 11. pl. 1. f. 1. — m. May sandy places Norf:
June under stones I of Portland.
July

4-punctata L Don. 2. 56. 2. Sam. 2. f. 7. Pz. 40. 18. — May on oaks Norf. Comb, Darent, Cubame under moss & dead leaves in winter; in putrid carcases.

obscura L. Don. 2. 63. 4. Ol. 2. f 2. f 18 — strata Hub. — b. Aug corn fields Sandwich; 26th Darent.
April Norf: Suff. pathways
July
m. June Settle; Carlisle; Pasley heath rehalty; places. 23d Darnmoor
Oct. under a stone Torquay Devon; Swansea.

tristis Ill — granulata Hunt. rectus Mus.
Cries Lachiana, Fr Ill. 3. 26. — granulata Ol. — m. Winchester, Grisbach. Brit Mus.

nigrita Creut pl. 2. f 20 b. — bicolor Haw Cat. Trans. p 82. var. — June corn. in meadows road Ambleside; Birmingham; Yorksh. 23d Darnmoor.

reticulata F. — rugosa Pz. 5. 9. — decora Hub. — granulata Mus. — June corn fields, Epping forest & m. London; Pasley heath; Crowhyn heath chalky Districts.

ofraca L. Cust. B. E. pl. 742 & B. E. 7. 8. 404 pl 8 f. 12-26. — tuberculata Dely. Mus. Sch. 93. 6. — Feb: roots of trees
m. Apl. may fine in a dead bird Cavellitha; Kersall moor: Moss on Ant-hills, Lancs
May, under stones, sandy places, Norf: & flowers of Mountain ash.
23 June Darnmoor.
Larva abund. under marine ejectamenta & a few adults of Aspilodes a. N. H. Abund. in May b.

182 Oiceoptoma Lea

dispar Ill 4. pl. — ofraca Mus. — Norf.

sinuata F. Mus. Don 15. 589. Ol. 2. 12. f 12. — May Cromer pine hills m. Dunwich. Dead animals Norf.

rugosa L. Ol. Pz. 40. 17. — Apl. dead birds &c Norf. Cutland.
May

marginalis F. — Fallen and the Rook tree. In bed of Trout. Ro.

thoracica L. Don. 2. 63. 1. Pz. 40. 16. — May dead birds &c, in woods Norf. 17th abund in a dead snake Wrotham wood
May. Box Lamond, Surge.
July 16th & on Wallus impressions, R. E. Mostyn.

183 Necrodes. B. E. 334

littoralis L. Cust B. E. pl. 334. — Entire carcases in meadows & shores of the Thames
Summer, bred in the entrails of a dead horse, which they consumed in a few days. Ba

Curtisii Mill: Leach Zool. Misc. 3. p. 89 simplicipes Dej. Pz. 40. 15. — Norf: Battersea fields; m. Nottingham.

was 18 days in a sandy field; is supposed in the sand. The beetle hatched 20th Sept. 1st red, then black in the cell & come out 28th. They live probably upon little Cotyledons or weak leaves & perhaps even upon vegetable substances. Ellison A. P. C. (65) f. 69 fol. 2 No 1 f 3.

land devouring Beet leaves, also in France where it was bred by Guerin.

184 Necrophorus Curt. 2, 71. Cut. Mag: 2.506. Newman's Century

Mortuorum F. Syst. 15. 537. 2. Pz. 41. 3. m. May Norf: in dead Crows &c 4th in dead hedgehog, Gravelly

vestigator Herr
investigator Lett.
Abt. under stones Hampstead; Norf:

interruptus Ste
m. Oct. 2 in dead Moles nr. Merrytowns Bambi.

Humator Ol. Pz. 41. 2. Syst. 15. 537. 1.
biniculata Cut. Trans. 2. 21. var
June I of Wight: Dead animals banks of rivers
m. May. Norf: 4th many in a dead hedgehog Gravelly wood
Autumn, 3 found in a Beehive

germanicus Linn: F. E. 71 Pz. 41. 1.
29 June 30 in a Dead Dog, Moulsford heath Marshall
Dead animals Swaffs, Letheringsett Norf.

anglicus Lea
Sepultor Grill.
Britannicus Kirb
anglicanus Lam:
m. May under Dead Carcass Rougham & on marshes Norf:
6. April Lowestoft

Vespillo L. Syst. 1. 423. Pz. 1. 21. Lam. 26
Spinosus Mg.
curvipes Kirb
June I of Wight. Bungi & Dead animals Norf & Cambs.
m. May under Dead mole Thetford Warren
11 July Sly Woodman forest

185 Emus Lea Cut. 534.
Vide Westw in Tr. Ent. Soc. 4. 45 for the Linn. Species in the Linn. Cab.

hirtus L. Syst. 16. 552. Pz. 4. 19.
June on cow dung, full of holes amongst fern & heath at Lyming ton I. of W.
July where they watch for the Aphodii &c & on being alarmed run under the edge of the dung
8 Apl. New forest, New forest in cow dung & in Dead animals
16 May Parley heath I. of W. Beachamwell, Norf: Guildford

186 Velleius Lea

dilatatus Pk. F. Abr. 6. 13
concolor Marsh. Lam. B. Mu. tab 54
in Wasps nests in the trunk of an Oak
July in Hornets nest, forest of Fontainebleau. Mr. Gory. Under Oak bark. Thing
22 July, 43 under bark where sap was oozing, summer of 1811; F. Sidney Parry.
Southend, Hope.
June 48 in decayed matter, root of a tree, Epping forest, Whittingham.
Wanstead.

187 Creophilus K.

maxillosus L. Syst. 3. 46. 3 Pz. 27. 2.
Calleatus Dej.
m. June under stones I. of W. abund: under heap of scum and Cowm & Bevan
m. May in woods, in roads, paths, & putrid carcases.
July.
6. Oct. Margate.

ciliaris Lea

188 Staphylinus L. Cut B. E. 16. 758. Syl. 2. 283.

nebulosus Pk
murinus Pz. 66. 16.
hybridus Mar: Syst. 500. 9.
Aug Norf. Suff.
Apl. mountains above Pontypridd fetchan & in putrid Boleti

murinus L. Ol. 3. Ma. 42. 66. f 51 Stens f. 1. Pz. 66. 16.
May putrid bodies under stones Norf: nr. Bristol & Swansea 28th Cowm
June
Oct. sand hills Ramsgate

fuscescens Dej. Cut. B. 758.
fulvipes Kirb. var
June nr. Edinburg; Ambleside; Swansea & London.

Nov. 18, Dunlap had 20 larvae alive which he found in a Hornet's nest in Sept: they died I have 2.

I came home at night to destroy the Cat^p of B. processionea & the Hornets: they give out a strong musk odor: Gray
Willy; Devereux took a fine o on the back of an Oak at the entrance to Claybury nr Woodford bridge. 9½ p.m.

Monographie du genre Trichopteryx; par Alph. Allibert. in Rev. Zool. Soc. Cuv. 07. p. 51 a
also Faune d'Allemagne de M. Sturm v. 17. a Mon. les Gilmeistes.

1 Corselet de forme plus ou moins carrée ou en ovale tronqué, aussi large postérieurement que la base des élytres.

A. Côtés postérieurs du corselet ne formant pas d'angle rentrant avec la base des élytres.

1. Corps de forme carrée. Espèces 1 à 9.

1. T. fuscicola. Subquadrata, subdepressa, nigra, nitida, subtilissime punctata; antennis, tibiis, thoracis margine laterali, elytrisque margine postico testaceis; thorace latissimo, foveolis impresso. L. 0m,0008. Gallia merid. occid.

1 bis. T. Montandonii. Subquadrata, nigra, subtilissime punctata, pubescens; thorace lateribus sub-dilatato; elytris illo tertia parte longioribus. L. 0m,0008. Lutetia et Paris

3. bifoveolata. Subquadrata, pubescens, nigra, subtilissime punctata; antennis nigris, basi testaceis; thorace basi bifoveolato; pedibus testaceis. L. 0m,0006. Lutetia

4. Chevrieri. Subquadrata, pubescens, convexiuscula, brunnea; thoracis limbo, scutello, elytrorum sutura, margineque flavo-testaceis; antennis brunneis, basi pallidis, pedibusque testaceis; scutello magno, thoraceque confertim punctulato, elytris apice truncatis. L. 0m,0008 Lutetia.

5. Chevrolatii. Subquadrata, nigra, punctulata; antennis nigro-ferrugineis, basi nigris; elytris apice truncatis. L. 0m,0006. Lutetia.

6. cephalotes. Nigro-fusca, depressa, nitida, subquadrata; antennis basi flavis apice brunneis, pedibus flavis, thorace obsoletis duabus basi foveolis. L. 0m,0004. Lutetia.

7. curta. Brevis, nigra, convexa; crebre punctatata, subquadrata; antennis nigris, basi testaceis; thorace brevissimo; pedibus flavis. L. 0m,0004 Lutetia.

2 Corps de forme ovalaire. Esp. 10 à 15.

12. Guerinii. Ovalis, depressa, nigro-fusca; pubescens, antennis testaceis, articulis duobus primis pallidis, valdeque incrassatis; scutello triangulari nigro; elytris fuscis, pedibusque pallidis. L. 0m,0006. Lutetia.

13. Apuia. Ovalis, convexa, nigra, crebre punctata, pubescens; antennis testaceis brevissimis; articulis duobus primis flavis apiceque nigris, sequentibus pedibusque testaceis. L. 0m,0006. Gallia merid.

14 melanaria. Nigra, convexa, sub-rifomia, crebre punctata; antennis nigris; thorace subquadrato latissimo; pedibus brunneis. L. 0m,0004. Gallia merid.

a Nous donnons les phrases characteristiques des espèces nouvelles, seulement.

B. Côtés postérieurs du corselet formant un angle rentrant avec la base des élytres.

1 Corselet impressionné. Pl. 16 à 20.

15. quadrifoveolata. Ovalis, convexiuscula, nigra, fulvo hirta, confertim subtilissime punctulata; thorace basi quadrifoveolato; elytris apice, antennis, pedibusque pallidis; tarsis pallidioribus. L. vix 0m.0008. Lutetia.

17. myrmecophila. Ovalis, convexiuscula, nigro picea, confertissime evidenter punctulata; thorace bisulcato, antennis, elytris apice pedibusque testaceis. L. 0m.0004. Lutetia

18. exarata. Ovalis, depressa, nigro-picea, confertissime evidenter punctulata; thorace linea longitudinali, duabusque foveolis rotundatis impresso; antennis brunneis pedibusque testaceis. L. 0m.0004. Lutetia.

19. rugulosa. Ovalis, depressa, brunnea, confertissime evidenter punctulata; thorace duabus foveolis rotundatis, rugosisque; antennis pedibusque testaceis. L. 0m.0004. Lutetia

2 Corselet sans impression. Pl. 21 à 25.

23. Spencei. Oblongo-ovalis, sed fere parallela, brunnea, crebre punctulata, subpubescens; thorace transverso; elytris thorace triplo longioribus; antennis piceis; pedibus testaceis. L. 0m.0004. Lutetia.

24. brachyptera. Oblongo-ovalis, convexiuscula, nigerrima, subpubescens, confertissime punctulata; antennis totis nigris; thoracis transverso; abdomine flavo, segmentisque ultimis multo productis; pedibus brunneis. L. 0m.0004. Lutetia

II. Corselet conique, ou plus étroit postérieurement que la base des élytres.

A. Élytres entières et recouvrant entièrement l'abdomen Pl. 26 à 30.

26. puellula. Oblonga, multo elongata, subdepressa, nigra, subpubescens; elytris, apice, antennis, pedibusque pallidis. L. 0m.0008. Lutetia.

27. foveolata. Oblongo-ovalis, convexiuscula, rufo-testacea, punctulata; thorace basi medii foveola quadrata; antennis pedibusque pallidis. L. 0m.0004. Lutetia

B. Élytres tronquées et laissant une partie de l'abdomen à découvert. Pl. 31 à 33.

31. testacea Heer. apterus Guer. et albreviatella Heer.

Espèces décrites mais que nous n'avons pu voir en nature. Pl. 34 à 38.

Description de deux espèces nouvelles du genre Trichopteryx par M. Allibert.

De L à S. T. insularis. Subquadrata, nigra, sat nitida, subpubescens, latissima; elytris thorace paulo longioribus, truncatis, antennis pedibusque testaceis. L. 0m.0006. Lutetia

Cette espèce se distingue de la bifoveolata par l'absence des fossettes, par

ses antennes jaunes et par sa taille constamment plus petite; de la Chevrolatii par sa taille plus grande, par ses antennes jaunes et par la coupe différente de l'extrémité de ses élytres. Habite les environs de Paris et fréquente les bords des étangs. Je l'ai prise sous les détritus.

De 15 à 16. P. Bordieri. Oblongo-ovalis, nigra, nitida, convexa, subpubescens, crebre punctata; thorace basi transversim plicato, elytris apice angustatis, antennis pedibusque nigris. L. 0m,0006. Lusitania.

Ce n'est qu'après avoir vu un grand nombre d'exemplaires parfaitement identiques, que je me suis décidé à la séparer de la Kunzei, dont elle se distingue principalement par sa forme plus bombée, par son sillon transversal et par ses pattes et ses élytres entièrement noires. Elle a été prise sur les bords du lac d'Enghien par M. Bordier, pharmacien à Montmorency, à qui j'ai cru devoir la dédier.

Ajoutez à la description de la P. Montandonii: antennis nigris, duobus articulis prioribus flavis apice nigro notatis, pedibus flavo-fuscis. Rev. Zool. 1867, p. 134.

Varietas nonnulla

apterna Quer: in Dict. pittoresque

erythropterus L. Jac. f. 308. Fig. 27. L. Lum. 2. 10. — 21 Aug 20 alund. at base of wall by Spaniards, Hampst.
cæsareus Eric — On branches of Kiss feed on Cat's & Holme
oneocephalus Fig. 27. 5

castaneopterus Gyl. Grav. — Edinburgh. Norf: London. Swansea. Devon
erythropterus Ol. 3. 22. t. 2 f. 14 Fig. 27. 6.

stercorarius Ol. 3. 13. f. 23. Mus. Gyl. — m. Aug. Swan: under stones w. of sea drain, Swansea; Norfk: Spring Norf. Suff. London: Mr Dawes Hamp. Aug. Hydr. Norfk. Bath.
brunnicornis Kirb
leucocephalus L.

oneocephalus Deg. Pk. Gyl. — May heaths & grassy downs Norf: Corfiston cliffs Hampst. heath Oct. Southchurch: under stones Scotland: Swansea
micans Mac. bimaculatus Mac. var
cupreus Ol. 3. 12. f. 16 var.

compressus Mac: 503. — 6 Aug 28. Norfk. J. C.

189 Oxypus K. — Gyl. 2. 285. Mac. 10.
mandibles toothed
olens F. Ol. — Fig. 27. 1. — Oct. sands under stones
6 Sept: 2 Oct: flies common: Aug. am. about at night
6 Aug & 23
June
Aug

Lewis Gen. Mag. Zool. pl. 165. Aug. Drew
macrocephalus Lea

Syntomus fov:
punctulatus Mac: 501. — 6 Aug. under stones, w. of sea shore, Norfk. under coarse mould on cliffs.
similis Ol. 3. 45. f. 42.
morio Ill. Gyl. 2. 288
crassicollis Spe.

cyaneus F. Ol. — Ol. 6. f. 12 Fig. 27. 3. — 6 Oct. foot paths between chalky fences: a pair at Mungay.
Aug. out in foot paths going to Wrinville
Cortesey w. Warwick Mr Fox cat.

erythropus Pk. Gyl. Ahr. 6. 14.
tricolor Fig. 5
bimaculatus Rossi
Kirbii Lea

atropos Spe. 1615. Bris.
obscurus Mac: 502. 5.
fuscatus Ill. Gyl. 4. 474
niger Dej.

brunnipes Ol: 3. 41. f. 7. Fab. Mac. — 2 June Darent pit Aug: mid: w. Milton
22 May, under birch. Mar. Aug. frost & Dr Gaderell.
on Fal. Dover
light sandy banks, Leicester, Bates.
Sept. under stones

190 Goërius Lea: — Oxypus K.
bandles simple
similis Ol. — Fab. Mac. Gyl. Bris — May running across foot paths at Lowick. 30 Sp. Milton
6 Aug. on Oct. under stones w. of sea, Norfk.

confinis Gyl.

angustatus K.

anceps Kuch:	W. Barham & London
cladocephalus F.	In Brit. Mus. [illegible]
octacrotaenus Spra	
Mario Geo. C. L. Gyll L. 373. Eric	16 Jul. 2 Hanning
simulatus K.	
angustatus Boi	
semipolitus Sahlb. F. E. L. 3. 118.	Christ Church meadows Oxford; Kenf. Inn, Brighton, F. B.
Cantianus K.	
bicinctus Rossi [illegible]	Aug 26. Coombewood, Sharpe in Brit. Mus. 2.

191. astrapæus Gyll:
rufipes Lat:

rufipennis Lea — Cornwall

named eluminus Fabr. in Brit. Mus: same as my Ulmi

192 Quedius Lea: Cust. B.E. 638. — Thus prey on Lumbricus & Omisci; F. Holme

1 fuciformis Pk. var
fritillis Gyll: Lawa Cat. Gram. pl 3 f 2 vol f 32 — m. May; e. Aug: Skye & I of W.
Dilatatus Mars. — m. June under stones, Slaughter; Mayf & in moss. 1st Conchillie side of Loch
m. Oct under stones in 4 shire I of W.
Lawa in winter, hyp. e. Mar:

2 fuliginosus K

gracilis Ste — not uncom: in Dung Gloster & Lancash: F. Holme

3 fumatus K. — under stones Glostersh, not com: F.H.

analis Steph

4 fuciformis Pk.
molochinus Gyll.
5 ruficornis Gyll?
5 denudatus K. — 2d June J. Clifton under stones, sand by sea, Broughton, Lancash:
21 Aug foot path in meadow Hampst.
in Apr on shore Southend

6 hæmorrhous K. — under bark of trees in Southend Sur Kent. Bromley Park many, F.H.

7 hæmopterus K. — with Pl. 6 but less com: also in Glostersh: F.H.

8a mesomelinus
nitidus Gyll
8b variabilis Gyll — Lawa in Sud's in different Cavern. Kentish
8c dorsalis Ste

9 atrisepis K. — w. Oxford

10 Lathburii Kr
flavopterus Ol. — w. Oxford

11 hæmorrhoidalis Lea

191.[b] Pelecyphorus Hard: Curyporus Erich:

2 pricipes Park.

I took this, but when I cannot remember.

190.[b] Tarsgius Lea: Cant. B. E. L38.
pedator Gw, Erie
Principes Lat: Cant-pl. L38.

27 Aug Dover 21. 3. E.
Spitchwick, Devon.

2 confinis Kirb.[?] Cant. ib.
alter Gw.[?]
obscurus Mann: 514.

under bark of trees, Essex: Blunet.

12 fulvipes Fab.
nitidus v. Pk.
impressus v. Grav
laevigatus Gyll

13 impressus Grav
cuitus Pk.
marginellus Grav
rufomicans Mann. v.?
atripennis Ste

2 Oct. Southchelt & I of W. Norf in dung.
1 June, Cowleiths off rushes
14 July, Fanning

sericostemus Ste

8 rufitarsis Mann 512.42.
variabilis v. Gyll.

2 Aug. 57. Parsnip flowers by Shakespeare cliff.

14 seminitidus K.

15 humeralis K.

16 fuscatus K.
lineacollis Gyll?

17. fuscipes K

19 hirtipennis K

20 serianus K

21 fuscipennis K.

rufipes Ste
fulvipes Ste

nigriceps Ste

nitescens Ste
piceicornis Ste

caliginosus Ste

23 lepidulus K.
lepidus Grav?

24 inguinatus K. — July Essex: w: Oxford

25 fuscicollis K

22 suturalis Man — in dung Glostersh. Devon, Cornwall, I. Wight
flavescens F.?
discoideus Gyll?

18 unicolor K.

castaneopterus Ste

Skrimshiranus Ste — under a flint lot Whitehall gardens

26 nitidus F.
ferrugineus Rosh
canescens Gyll

26a erythropterus Ste — Ld Bathurst's Park, nr. Cirencester, Glostersh. I.H.

193 Philonthus Leach Curt. B. E. 610. — Zool. Jour. Vol 9 p. 58.

1 laminatus Creutz — Gyll. Vol. 67.20 — 1 Aug Roundstone
aeneus Delj. Man. — m. Jul. Dover: Suff. Swansea
1 Sum off grass sides of ditches Cardiffe

2a chalceus Ste

2b corvinus Curt: B.E. Pl. 610?

3 splendens F. Gyll 2.297.16 — May under moss & dung & off grass meadows Hampst^d. 28th.
4th in a dead Hedge hog Gravellers

4 æratus K. — in Suff & nr. London

5 punctiollis K.
aeneus Gyll.
similis Man — m. May S. Bedford women
29 July Glengariff
Larva in Jul dung feeds on larva of Dipteria. Bouché — Zool. Jour. Vol 2 p. 62

6 politus L. Man. Ol. 3. — 12.4.10. — May, Wrentham
decorus Gyll. — June under stones in moss & carcasses
m. Jul.

6a coquatus Ste
lucens Mann.

6b microcephalus Ste

Microsaurus

lateralis Gr: Lect: B. E. pl. 638.

21. June Spitchwick hospital b. & B.
b. Sept. 31. Dunford nr: Salisbury S. b. Horsburg, Glocester b. F. Holme.
July Scotland S.b.
Dalmeny

7. melanopterus K.		May Wrentham Suff. 4th in a dead Hedgehog Grasshopper
pholitus F.		June in carcases, under stones & in moss.
		m. Jul.
9 maculicornis K.		28. June 52. sunny wall, Tunbridge Wells.
nigripennis K. v.		
fuscipennis Mcan		
10 decorus Gyr:		27 Apr. under stones Walton Downs
10b carbonarius Gyr		
pholitus v. Pk		
10d cyanipennis F.		Swansea, S.L. Is it British?
amoenus Ol.		
10e sericeus Ste		
11 filiformis K.		
12 chalcopterus Mcan		m. Jul. Dover
varians Gyr?		8 June com. Cuckoo on grass
varius Gyll?		
nigroaeneus Ste v.		
chemicus Gyr.		
13 atratus Gyr		
14 linearius Gyr		
15 lucidus Gyr.		
xerophilus K.		
15b sordidus Gyr.		
nigripes Ste		
15c subfuscus Gyl.		
fuscipes Ste		
16 marginatus F. Mcan: Ol. 3.	f3. f29.	31 July nr. Hertford
Cart. B.F. fig. 610.		4 May in a Dead Hedgehog Grasshopper
17 concinnus Gyr		
18 obscurus Gyr.		
cognatus K.		
19 varians Ol? 3.	f5 f26.	
20 simplex Mcan.		m. Jul. Dover
		28 June under vegetation at Quarr Abbey

21 punctiventris K.

22 intaminatus K.
varius Pk.

23 aterrimus Man 513. 44.
obscurus v. Gr.

24 opacus Gr.

25 phaeopus K.

26 niteus Gr.?

27 obscuripennis K.

28 longicornis K.

29 agilis Gr.
debilis Pand

29b ventralis Gr.

30 litoratus K.
opacus v. Gr.?

31 bipustulatus F. Gr. Gyl. Pz. 27.10.
bimaculatus Man
varians v. Pk.

31b acuiculatus Ste

32 sanguinolentus Gr: Gyl. 2. 338.
tilineatus K.

33 luminaculatus Gr.

34 nubipennis K.
facipes Gr?

35 consocius Gr.
antidus Man

36 unicans Gr. Gyl. 2. 344.
varians v. Pk.

37 Watsoni K.
multipunctatus Mann?

in May. Thetford

24 Sep. 52, in Boletus? Newton Valence.

m. July Dover & Essex
Inne Penzance
m. Aug:

Sept. Christchurch meadows, Oxford, F. Bolton
Inne Penzance.

28 May, Hampst?

c. July 36. not mean: under stones, Abbey pond, Tresco, Scilly Col: B. Wolmer

Christchurch meadows & Bagley wood, not mean. F.K.

Yorkst. M. P. Watson.

38 punctus Lyr.
politus Pz. 27.7.
multipunctatus Mann.
39 minor K.
punctatus Lat?

193a Raphirus Lea.

40 semiobscurus Mar 572. 41.
maurorufus Lyl.
rufipes Lyr.
41 alternatus Lyr.
rufatus K.

42b Boopes Lyr. — N. Oxford on t. A. Matthews.

42c rufipennis Lea

42d rufipennis Ste

43 rufipennis K. — c. Isl. Scilly Isles. F.H.

44 pusillus K.

45 minutus K — Gloucesh. F.H.

45a inconcinnus Ste

46 ruficollis K.

46b varicolens Ste

47 punctus K.

48 pracox Lyr. — b. Surr, Darnt

194 Xantholinus Dalb. — Othius Lea
23 July pruinosus under Stones
Aug: upon rushes & plant. in moist places

1 fulgidus Pk.
fulminans Lyr
fulvicornis Pz. 27.23.
2. alternans Lyr.
pilicornis v. Pk.

3 pilicornis Pk. — b. June Roof. & fated wood, New Forest
palmulus Lyr.
Lathburii K.

nionomis, Volume II. P. 3. 127.

3b glabriornis K.

4 melanocephalus Gr.
nigrotus K.

In Oct: grass Hampstead nr. Norwich

4b ater Ste

5 atrabilarius Gr.

6 Pavimentalis K.

Meadows under Stance, common
Dame Knightson bettes of Norfolk

7 obscurus Lea

8 antiquissimus Gr.
fuscolor K.

Aug: I of Wight. Rev. G. T. Rudd.

9 Scotiacus K.

195 Galerius Lea

vespiforme Mann.

1 collonitus K.

Mossey Hampton, Gloucester F. Jolme

2 conjunctulus K.

3 cinerascens Gr.

4 ventralis K.
[illegible]

4b albipes Ste
splendidulus Gr.?

5 a Hemiptus Lea

6 mamo Gr.

6b Lunatus Ste

7 fulvipes K.
nigritulus Gr.

Christchurch meadows, common in Holme.

8 terminus Gr.
affinis K.

10 pleropus Ste

6-punctatus Hal: Ent: 187.

2 at Holywood. A.H.H.

11 fuguineus K.

9 suaveolens K
varians v. Pk?

196 Bisnius Lea

1 fuscicornis K.
debilis Gr?

2 fulvipes Ste

2 omiphlex Lea.

3 rotundicollis K

4 cephalotes Gr.

May in ditch Nodgetting Gravelwood
July, Southend under Dany

197 Lathrobium Lea. Cat. B. E. 322.

1 Fulvipenne Lea Cat pt. 322.

Autumn stems of Soft W. Fennel Edgecomb, Plymouth under sow w.
May burrow in the sand & other insects & themselves.

2 xanthopus Gr. Syn. 2. 323.
laterale Kies.
elongatum Ste
fossulatum Ste
3 Longii Dej.

May under registrum Tollesbury & Southampton water
10 Aug. on Lemna: Black Gang Chine Dany: under stones. Scilly Isles
Oct. Soft W. & Torquay, Doom: Swansea, under wood. at high water mark.
Left miser on rocks at Plymouth.

Very variable & very on each & in confinium B. Holme.

198 Achenium Lea. Cat. B. E. 115. Achelium Dej. Lathrobium Gyll.

1 depressum Gr.
depressum K.
trinotatum Ste v.
angustatum Ste v.

May Hackney marshes during a flood. 30th at Hampstead S.
end of Winter under grass, roots of trees in fields Southgate
under stones in a clay soil Epl. Wood.

199 Heterothops K.
1 binotatus Gr
subulipennis Gyl. v.

2 Dolmenus K.

3 Kirbicellus Ste

200 Lyprokypnus K. Lanthobium Dalt.

1 pyropterus Gr.
puncticeps K.
fulgidus v.?

1 rotundicollis K.

5 funiculatus Smith. Hafn. Ill. 5. 439. Found in Sphagnum, Aylor Bogs D. Smith.

Pennus Hobrecii Trans. Linn. Soc. v. 2. p. 26. is not distinguished from the Sphaer. 16.

1 serieus Hol. ib.

Aug: under decaying sea weeds Det. Hyde & Sevenoaks Sent by Mr. G. T. Redd.
n: Belfast J. A. H.
c. Jul & b. Aug: on the beach at St. Mary's in Scilly Islands. F. Norline

2 longicollis K.

3 diaphanus Mac

4 sulciforus K.

4b apicalis Ste

5 cruentatus Mac
glabratus Gy
ferruginous Rossi

6 quadratus K.

7 tricolor Pk.
elegans Ol.
affinis Mac
lentus Gy.

9 linearis Mac Ol.3. 4 f 38?
punctulatus Gy

10 longicornis Gy.
bicolor Pk.
linearis Ol.
minus Pk.

10b semistriatus K.

10c parumpunctatus Gyl.

11 punctulatus Pk.
elongatus Gy

12. angustatus K

13 ochraceus Gy
proximus K.

13b Butychrus Rus

14 quadriguttatus K.
ochraceus v. Gy.

15 proceralus Gy.

16. pusillus Ste
parvulus Gy?

b. Oct. Hern Court: in horse dung leaf Sw. Margate
b. Aug: Niton under dung on the beach; also Ryde, Hequinette & swarming at Mount Bi
b. June in fretted wood, New Forest.

b. Aug under stones leaf. & Niton.
m Oct. o.
O under moss. Moss on Ants nests, Leicester, Bates

b June on fel nests Wraitham

m. May Shetford. Mr Matthews, Chiswick
14 July Harwig
Larva in Spring in Horsedung

201 Lathrobium Gr. Bart. B. & H. 650

1 quadratum Pk. — under stones, moss, moist banks & damp places, Battersea
filosum Gr
filiforme v. Pk.

2. brunnipes F. — Winter under moss Grass: under stones Swansea
elongatum v. Pk.
dentatum Mar

2b atriceps K. — Yorksh & w: London

3 elongatum L. Dow. 16. 573. 3. Pg. 9. 12.
not of Steph: nor Gyl:

4 fulvipenne F. Pg. 17 — com. under stones; moss & dung, fruitful vegetables
elongatum v. Gr — e. Apr.

5 rufipenne Gyl. 3. 704.

5b ochraceum Mar

6 punctato striatum K. — dung, under stones Sept.
striatum Lat?
testaceum v. Gl.

6b punctulatum Mann. — Christchurch meadows, F. Nolan

7 multipunctatum Gr — rocky hills, Leicester, Bates.
axillare Ziegl.

8 lineare Gr — Gyl. 2. 370. 6. — com. under stones: amongst rejectam: left by floods

9 longulum Gr.
dentipes K. — Christchurch meadows, F. N.
minutum Dej

11 fossulum Ste — Christchurch meadows F. N.

12 nanum Ste

13 erythrocephalum Ste

201a Cryptobium Mann: — Ochthephilum Ste
10 fracticorne Pk. Gr. Gyl. 2. 446. 3. Ahr. 12. 1.
filiforme F.

202. Tachinus Gr. Gyl. 2. 251. — Oxyporus Fab.
1 elongatus Gyl. — Stirling, R. R. G.
w: Jedburgh, Scotland

1b aterrimus Ste

1. terminatum Grav. Cant fol. 650.
vac of No 13

Essex Bennt. Weston on the green abund! on the quadratum

2 fallens Gyl.
rufipes v. Pz?

3 subterraneus L.

in putrid leaves
4th Dec: 44. 4 ♂, 6 ♀ under putrid scarlet beans in yard: both black & red legged, Hayes
7 March 47 in a rotten Broccoli crown

4 bipustulatus Don: ~~Fa~~ 15. 532. 3.
subterraneus v. Pk

b. Apl. under a Holly bush in Cowleaze Lane
Sept & Oct: in decaying Turnips, Southgate & Walthamstow

4b scapularis Ste

5 cinctus Mar
rufipes v. Pk
humeralis v. Gyl.

marginellus Pz. 9. 13.

9 Oct: in Boletus at base of 9 Beetroots in Great-wood Norton, S.B. 14 ♀
6 July Bordeaux

6 latus Mar
marginatus ?

Apr. under stones

6b intermedius K.

6c limbatus K.
~~subtilis Gyll.~~

7 rufipes L. Fab.

13 dug: Muckleham

8 fulleri Gyl.
rufipes Dej.

8b fuliginosus Ste

8c spinalis Ste

9 nigripes K.
rufipes v. Ol.

9b brunipennis Ste. [subtilis Gyl.

10 laticollis Gyl.

11 marginellus Gyl.
marginatus Don 15. 532. 2.
humeralis Gyl.? [illegible]
rufipes v. Pk.
lævigatus Mar. v.?

Mar. under moss
6. Jul. Bordeaux

Larva lives in decaying vegetables, mushrooms, fungi &c & transforms in the earth. A. N. H. 1846. 330
10. 9403 f.g. Paris.

13 silphoides L.
saturalis Pz. 13. 20.
dispar v. Pk.

14 corticinus Gyl.
collaris Gyl.

14b Sowerbii K.

Flavipes Fab. Erich
rufipes Gran. Egyt. Hep.

15c angularis Ste

16 castaneus Gr. punctatus Gyl. β
punctatus Gr

203 Tachyporus Gr. Cust B.E. 762 Comerus Ste

1d melanocephalus Ste
melanopterus Ste

1e flavipes Ste

1f flavus K.
immaculatus Gr.

1 obscuripennis K.

1h hypnorum Ste
fodicularius o. Gr.

1i obscuratus K.

1k puncillus K.

2 immaculatus K.
bipunctatus Gr.
pusillus Erich 391. 4.

3 bipustulatus F. Pz. 16. 21.
bimaculatus Gr.

4. cellaris F.
lithoreus Lt Cust pt. 762. Lowe A.S. 1846 p. 9 no 3 p. 8.

wd London; & Manchester, under rubbish side of a wall, Mr Hobson.

Lowe under bark of Dead Pine & Oak. & under pieces of fallen trees producing Hypoxylon Fungi. Perris.

5 pubescens Gr.
cellaris o. Pk.
comicus Mar
Marshami Ste

172 Cypha vide Gen. 172.

203a Trichophya Mann.
o nodicornis K.
capillaricornus K.
filicornis Gyl.

203 Tachyporus
7b macropterus Ste.

7 dimidiatus F.

7c apicalis Ste

Deinofusis Math. Ent. Mag. 5. 193. fig. a-f.

1 fuscatus ib f2. — e. May 35. Weston on the green, in damp decay'd vegetable matter
3 June 36 & 37.

Centroglossa Math. in E. M. 5. 194. fig. a-f. — Myllena Erichs.

1 Connoides Math. ib 195. f1. — Feb. 37 nr. Weston in damp decay'd vegetable matter
Mar

2 alternata Math. ib — May in company with D. fuscatus.
June

3. minuta Math. 196. Is it a var of No 1. — at Weston

4. elongata Math. ib — e May 36 at Weston "on a clay-bank, on the edge of a stagnant pool
June 37. where it burrows like the Heteroceri"

5. brevicornis Math. ib. — July 37 at Weston

6 gracilis Math. ib 197. — Feb. 37. out of moss nr. Weston.
Mar.

testaceus F. fuberculus var.?

Commonest Mich. 8. M. 5. 197.

Feb. 37. Weston
Mich.

8 abdominalis ?

8b putridus Ste

8c lateralis K.

8d cyathropterus Ste

8e nitidicollis Ste

9 Deyspnorum ?
nitidulus Mac.
flavipes Luiz?
11 marginatus Gr. var?

in moss.
Ilfracombe Hanning

12. subtestaceus Ste

12a collaris Ste

14 obtusus L.
melanurus Mac.
mutilis K.
15a mutilis Gr. Pz. 22. 16.

Ondes moss

15 marginellus Mac
nigricornis Gyll?

17 chrysomelinus L. Pz. 9. 14.
dispar & Pk.
melanocephalus Rosa
medarius Mac. var
16 merdarius Pz. 27. 9.

found on sand hot walls & in hitherto hedges

18 pygmopterus K.

18b atriceps Ste

19 funeralis Gr.

19b nigripennis Ste

20 ruficollis Gr.
dispar & Pk.
flavicollis K.

21 pyrrhoceras K.

m. Cat. Southend

21b thoracicus St

21c brunneus St

22 libens Lea.

22b gracilis St
angustatus St

22c basalis St

22d minimus Lea

22e angustatus K.

22f flavescens K

22g livens K.

6. May Rougham
14 Oct. Gl. Wal

23 nitidus St
nitidulus Cl. 3. f. 3. f. 28.

Jul. in moss.

24 flavicornis K.
nitidulus Gyr.

25 testaceus F.
abdominalis Gyl. 8

26 diffinis K.

20L Boletobius Lea
1 lunulatus L.

Tachinus Gyl. 2. 269.
Mar fungi under moss Norf. nr Glostash. F.H. & Lawson.

2 atricapillus F. Dan 15. 532. 1.
lunulatus Gy. 22. 15.

Sept. in gyc. con: in Glostash & Lancast. F. Walton

3 trimaculatus F.
melanocephalus v. Gy.

m Oct: in fungi Ramsdown
13. Aug: Wilbraham

3b apicalis St

4 melanocephalus Mar

4b angularis St

4c ochraceus St

4d. bimaculatus Ste

5 puguaeus P. 27.19. — 6. Sum. Darent
melanocephalus v. Lyr

5b marginalis Ste.

6 thoracicus F.

7 ut fidelus Lec

7b brunipennis Ste

7c discoideus Ste

8 bicolor Natus K.

8b nuficollis Ste

8c fuliciceps Ste

9 Sinfroni Ste

204b Mycetoporus Mann. — Ischnosoma Step

10 punctus Lyr. — Oct. Kew Court.

10b nuscescens K.

11 brunneus Man

11b melanurus K.

11c nigricollis Ste

12 splendidus Lyr

12b clavicornis K.

14 lepidus Lyr.

13 punctato-striatus Pk.
lepidus v. Lyl.

15 tenuis F. — March Putney heath L. G.

16 splendens Mar. — b. April running cross a foot path near Cowleritte

202 c Megacronus Ste

17a fumosus Gr.
cuticeps St.

17b nitidus Ste

17d cerinus Gr.

17c castaneus Ste

18 merdarius Cl.
analis v. Pk.

18b nufipennis Ste ♂

19 analis Cl. q. 3. L3. f. 22.

b Mar. flying at Putney heath during hot sun L. G.
b. April under bank, Hampstead, v. F. Smith
Winter in moss Putney heath L. G.

205 Syntomium Curt. B. E. 228.

1. nigro-aureum K.
aureum Gyll.

1 Aug: Roundstone, Barham Lapini chalk pits.
2 June sand pits v. Leyndhurst J. B.
Jan. Jan. Moss Southgate
Rachills v. Edinburgh, abund. Mr. Little. Stirling.

206 Megarthrus K. — Phloeobium Gyl.

1a nufescens K.

Feb Roots, moss, New F. Norf. Suf.
June

1 retusus K. depressum Ericf
flavus K.

Apr. Moss, Lond. Suf.
Jun.

2 depressus Pk. Cl. 3. f. 26.
hemisphaerus Ill. Pz. 25. 6.

Feb. Oct. Ramsgate; J. C. Boleti, Lond. Suff.

4 emarginatus K.

Apr. Boleti Lond.
Jun.

3 macropterus Gyr.
abbreviatus Mar.
brachypterus Pz. 4. 10.

Rotten trees St. but is this the true one?

5 pusillus Ste

June. Decayed trees, New Pa.

207 Proteinus Lat.

1 brachypterus Pk.
ovatus Gyr
consimilis K.

Oct. on an old stump v. Poole, abundant in fungi Ramsdown
b. June on a wet stump Tarent-wood

1b clavicornis K.

2 ovalis K.

12 Oct. in abundance in the gills of mushrooms Kew court yard.

brevicornis Mat. E. M. 5. 197. July 36, Weston on the green, Oxfordsh.

elegans Mat. E. M. 5. 197. 32 Weston on the green.

6 marginatus Ste Apr Under stones, Sand Dun.

7 affinis Ste. Stones Devon. Ste

207 Pseudopsis Newc Ent Mag: 2, 313.
1. sulcatus Newc ib. 314.

Sept. 25 a troop on grass abt a Hay-stack newly made in farm yard at Chiffon A. N. H.
Sept. I of Wight

208 Anthotrium Lea	Omalium Mann. Grav.
1 nigricorne Ste	
1c suboculeatum Ste	
1 oculeatum K.	
1d nitidum Ste	
2 Ranunculi Gr.	1a July, Banning
minuta F.	
hirtipennis K.	
nigriceps Gyll.	
3 ruficorne Mac	
4 Sorbi Gyll.	
ophthalmicum Pk	
~~luteum Mac.~~	
5 luteum Mac	June, Essex, 14 Jul: multitudes in cop: in flowers, swampy ex: Fam: wells.
Ulmaria K.	13 Aug: Michletham
	July numbers upon trees – the Elder & between the segments in several chasmes of Superior
	specimen in Colney Hatch wood, Mr F. Smith. J. Bordean wood
6 Ophthalmicum Pk.	m. June in a grove Knaresboro. on Hypericum odorata? w. Wilton
palliedum Gyll.	12 May ab. on flowers of Viburnum, Crowley w.
7 torquatum Mac 127. ad. Pg. 24. 6.	m. June in abund. on Burz bushes Knaresboro: in flowers Mat.
semicoleoptratum Pg.	28 May Sum wood: 10th w. Wilton
mucronatum K.	
7 brunneum Ste	
8 melanocephalum Pg.	
canaliculatum K.	
9 fulvum Pk. Ol. 3. 43. f 21.	
10 fuscum Gyll. 2. 200. 3.	gravel pits Mousehold heath w. Norwich not unom.
prossum K.	July Broughton Lancash.
10b consimile Gyll.	
11 melanocephalum Mac 136. 22. Lam. 2. 2.	28 Mar. under bark of Damp Birch stumps Lord Spencer's Park, Lord G. abun.
12 assimile Pk Gyll. 2. 202.	28 Mar. under bark of Damp Birch stumps Lord Spencer's park, Lord Gabani & with the ne
13 atrocephalum Gyll.	do.
13b inflatum Gyll.	

14 longipenne K.
cryptum Mar
ventrale K. v.

15 unicolor Mar

16 nigriventre Ste.

209 Cryptum K. — Boreophilus Sahlb. — Eut. 186. Macropalpus Curt.: Narpognathus Mann.
1 angusticolle K. — Ste 5. 344?
villosulum K. v.
brevicollis Val?

210 Omalium Gyll. 2. 198 — Anthobium Mann
1 planum Gy.

2 deplanatum Gy
depressum Kol.

3 concinnum Mar

4 monilicorne Gyll 2. 219.

5 brunnipenne Gyll? Mar 2. 232. 31.

6 picinum K. picinum Ste.

7 brunneum Pk.

7 b opticum K.
brunneum v. Pk.

Arpedium Hal. Eut. p. 187.
8 sordidum K.
nigripes Hal:

9 striatum Gy.
minutum Ol. 3. p. 6. p. 53

Arpedium 10 subfuscescens K.
nigripes Hal:

10 b exiguum Gyll.

11 floralis Pk.

11 Viburni Gy.

c Sept. 40, sent. on my Stiles windows, Hayes.

m. windows at Hayes not mentioned.

m. Sept. Liverpool.

9th May off flowers Gravelly w

1 June Wrentham
29 Apr. 46. very abund. on Furz. bushes, Botwell common.

209b Phlaocharis Mann.
subtilissima Mann.
fusillus Grev?

under bark of limbs of hens recently lopped; in woods Yarm, Yorksh. G. T. R.

209c Tæniomia Mann:
fusilla Syl.

3b brunnipes Ste

mesomelas Holme Zr. Z. S. 3. 128
ostwicum var.

Tested: in a rotten Oak stump, nr. Mayseys Hampstead, Gloucesh: J. H.

12 Salicis Gyl.

13 rufescens K.

13b Salicinum Gyl.

13 fuliginosum K.

14 laevi Lyn.
laviusculum Gyl.

14b fusellum Gyl

15 foveolatum K.

16 piceum K.
piceum Kuo
nivulare v. Lyn
~~17~~ casum v. Gyl.
17 casum Kuo

18 nivulare Pk. Pz. 27.15.

b June on a wet stump. Dannt wood 34.
On bolets & putrid Cabbages.

19 Oxyacantha Gyl. 2.217.16.
nivulare v. Lyn.

20 fuscum Ste

21 excavatum K.

21b subrugosum Ste

22 pygmaeum Lyn. Pk.
brunneum v. Lyn.

23 Primulae K.

24 nigricolle K.

24b latum Ste

210a Acidota K. Mann.

25 crenata F.

Aug summit of Cader Idris under a stone. J.C.D
Bramond, W. Little.

26 rufa Sp.

211 Lestera Lat. B. E. 303. Anthophagus Gravh. Gyl.

1 dichroa Sp.?
Leachii K. B. E. pl. 303.
badia Ste.

18 Oct: banks of river Eden, nr. Holme Gate Cumb.

2 Caraboides L. Ol. 3 w 42. pl. 2 f 17.
abbreviata F. Fn. 36. 2.
fulva Dej.

Apl on palling, under stones, Dead leaves
May June
3 Sept: beat off oaks, Castlend Craig

3 globaticollis? Mann.
canaliculata K.

July, under a rock Craig-cattoch?
June Cumberland

3b Scotica Lea

4 Hookeri K.

5 alpina F. Lat. Ol. 3. w 42. pl 6 f 55.

Sallows & Fir-trees.

6 testacea Gr. Microp. p. 121.

6. June

7 obscura Pk. Gyl. 2. 198.
bicolor F.?
dimidiata Fn. 36. 3.
Stapley linearis Mar 464.
punctulata Lat

Mar under stones in wet places nr. rivers
Apl 30 nr. Wilton &c.
May 4th & Garton Lge 8th & Nolmes
Oct. Rippesley?
under rocks banks of Thames Greenwich marshes &c: Belfast A. H. H.

8 plagiata F. Gyl. 2. 195.

9 rufitarsis K.

9b nigripes Ste

10 impressa K.

Weston on the Green

11 planipennis K.
longula Mann?

12 Kirbii Ste.
pubescens Mann?

211b. Micralymma Weston in Jardine's Mag: of Zool. & Bot: V. 2. p. 129.

1 Johnstonei Weston ib: pl 4. f 1.
Brachyrhinus Curculio

under rocks on the sand 200 feet below high water mark & within 50 feet of low water mark, near Berwick upon Tweed. ¼ mile west of St Lucens ferry
Aug in great abund.
6 Nov: Butts, Larva & Pupa Dr. Johnston.
Dalmeny bet. loose layers of rock, W. Little.

212 Elonium Lea — Coprophilus Lat.

1 striatulum F. Zool. Jour. No 9 p 64. — mar buried deep in q solid sand in pits forming barrows apl.
rugosum Ol. 3. t5. f43?
striatus Sam.

213. Siagonium K. Cent. B. E. 1. 23. Prognathus Lat. Leptochirus Ger? Zool. Jour. v. 3 No 9 p. 56. pl 2.

1. quadricorne K. & H. p. 38. — mar. 1823 under bark of a felled tree when it was close humid. Kennington gardens: Suff. Sam. Hof. Mr. Denny. Windsor Park, Lord Spencer's Park; Hamilton. Hayes Hor. Fulham, Mr. S. Sullivan.
corticale Cent.
rufipenne Guer. Ann. Soc. Ent. Nat. Apt. 1822.

214 Bledius Lea. Cent. B. E. 3, 143

1 tricornis Pk. Ol. 3. t6. f56. — e. Apl Sandhills Clay roof J. Burrell. m. May holes in sand Isle of W. to 17 May under rejectamenta Tollesbury: Ess. banks of rivers Lamb. m. July 16 Aug: under stone base of cliff Lucombe chine.
armatus Pk. 66. 17. Tr. Ent. Soc. p 97. pl. 7 f 3. p 310.
subcornutus K. & — Sea-shore Holkham in crevices in the loam
2 Taurus Ahr.
Skrimshirii Cent. B. E. 143
Stephensii Mrsh.
3 Ruddii Ste.

215 Hesperophilus Ste

1 fracticornis Pk.
pallipes Gyl.

2. castaneipennis Zieg
hamopterus K.
fracticornis. v. Pk.

3. divisus Mar
pallipes Gyl.
laticollis Zieg

4. arenarius Pk. — Robson, at the base of a cliff near Scarboro' Mr. Wright & Manchester: a large Hypochirius preys upon them G. T. K.
Mar: Barnston beyond Burlington on the sands.
Sept. Plyd in multitudes over high water mark & burrow in the sand where they are submersed. G. T. K.

5 Talpa Gyl. Ahr. N. 3.

216[b] Platystethus Mann. — Lathrobium — Lentiolepsis

2 cornutus Gr. — May at Kingston P. G. Redd. E. w. Milton

3 morsitans Pk. — Lawn in London in winter. Boucle

4 tilobus Ol. 3. t5 f48.
morsitans. v. Gyl.
striolatus Zieg

4[b] sulcatus Mar

4[c] brunnipennis Ste

4[d] immunis K. — Sept. Glostersh.

215t Phytosaurus Cert. B.R. 718.

1 specified Rudd.

May just above highwater mark bet. Ryde & Seaview I. of W.

5 foveatus K.		Septr: Glostersh. B. Holme.
5b caliginosus Ste nodifrons Mann.[2]		
6 fallidifrons Pz. 27.10.		Weston on the Green.
216 Oxystelus Grav. [illegible]		
8 carinatus Gyll.		
7 fuliginosus Gyll. laqueatus Mann carinatus v. Gyll. [illegible]		
9 nigricornis K.		Oct: Gl. Wood Sept: in clubbed roots of Broccoli abund[t]. K.A.J.4.126. June not unpn: in Glostersh.
10 fricifrons Ste fricans Pz. laqueatus Ste		
11 nitens Mann		
12 fricans L. Pz. 27.14.		
12b antennatus K. longicornis Mann.[2]		
13 sculpturatus Gyll sculptum Mann	K.A.J.4.126. pl. II f. 28, 29. . . .	May: in rotten butts of Turnips. & June on a wet stump Darnt wood I.C.
13b nitidus K. laeviceps Lint.		
13c flavipes Ste		
14 depressus Gyll.		June Kingham. 6 Apr. Amber, Lewis, & Overbettle 18 May, Gl. Wood.
14b fuscifrons Ste		
15 fallifrons K.		
16 nitidulus Gyll. fuscus v. Pk.		17 June 46 under stones shore of Southampton water. I.C.
17 rufipes K. fusillus Mann. v.[2]		16 Oct. 46 in Spinach, Covey.
17b consobrinus Ste		

biarcuatus Pratt. C. M. 5. 198.

36. Weston

18 angustatus K.

18b opacus K.

20 fuscillus Lea

216.b Aphodius Ill

1 brachypterus Mar.
calatus Gyl?

217 Carpalimus K. Trogophloeus mann

19 corticinus Gyl.

1 bilineatus K.
riparius Dej?

30 Apr. many running over sand side of Pitele nr. Wilton
& Dane Ellington nr.

1b arcuatus K

nr. Oxford, F. Holme

1c bicolon K.
corticinus Gyl?
impressus Dahl?

2 fuliginosus Gyl
nitidulus K.
crassicornis K. v.

3 fuscipennis K.

3b rufipennis K.

3c affinis K.

3d obscurus K.

4 atratus Will

217b Tachyporus mann.

1 fuscillus Gyl.

218 Coesthetus Knoc. Gyl. 2. 461. Cristhetus mann.

1 scaber Knoc. Gyl. Ahr 7. 13.
bipunctatus L
brunnicips K.

Spring humid meadows nr. Oxford.
Winter under bark of dead trees.
Jones, Harrietsham, Kent.

Phrudium
congiformis
celiatus Kirb

Island Mod.

219 Oxyporus F. Cart B. 2. 5, 418

1 rufus L. Pg. 16.19. Sow fe. 4 f. 11. Cyll. 2. 242. — 7th June 1811, in fungi in corn field Thorpe abund. 15 June in Fungi, Leominster out of Brambles + white thorns I.C. 6 Jul. Bordeaux flyd of a bramble

2 maxillosus F. Cart fl. 418. — Suff. Devon. Cheltenham

220 Asthibus Dill. Trailla Lev

1 canaliculatus F. — m. May under rejectamenta Tollsbury 2) Apr. ab. under fluit stones with Myrmica rubra? Wilton Downs. Also in nests of Formica F. Sanguinea.

221 Schizopoda ~~Hum~~ Ste. Alcochara Kirc

1 longitarsis K. exarata Will. — 13 May 44 rushes Cloverlike. 8 June 40 Wentham sand pits.

4 rufipes K.

3 leucopha Mac cucera K.v.

3b fontalis K. — 17 June 46 ab. under stones Southampton water.

2 aterrima K

5 foveata K

6 fuva Will

7 atomata Mac.

Polystoma Ste

9 obscurella Gr. micans K. var subcerica K. Kirbii Ste. var — 6 June under futed sea weed Warning cliff nr Ventnor. Mar 1809 Clay sand hills J. Hooker

Zyras Ste

Hawothi K. fulgida Gr?

Bolitochara Mann.

38 collaris Gr. Pk. — Gl. 3. 42 f. 13. — Wilton Cat Drayton Cat Cross Cat Hedford bridge, during overflow of the river

35 lunulata Pk. — June, Boleti, New For. Redd, Yoxford, Bristol, Markham

obliqua Erich 1. 298 — June Boleti, New For. Redd

220. Calliceras Grav. Curt. B. E. fl. 443. Gonatota Crich.

1 Spencii Kirb. ♂
calliceras Grav. Crich. i. 84.
hybrianus Hal: var. ♀

early in Spring Holywood n: Belfast, m: furz bushes & grass, on sunny bank
May on grass Southgate & Battersea fields.
Mar 34. S° side of hedge, by brushing, at Croft, Yorksh: G. T. Rudd.

Calodera
36 nigricollis Pk.

37 picata K.

carbonaria K.
cursitans K. v.

31 subpubescens K.

Calodera rufitarsis K.
Ethiops Gr.?

June Harrietsham, Kent. J.F.S.

33 fossula Lec

10 xanthopa L. K.
Boleti v. Gr.
Fungi Grl.

11 bicolor K.

12 longicornis Gr.

13 antennata K.

14 fusilla Ste

angustata K.

contigua K.

15 flavescens Mill

16 xanthoptera K.
Boleti v. Gr.
cordicola Mac

18 minima K.

19 consimilis K.
80 fumata Mill

20 assimilis K.

22 teres Gr.

13 Aug: Micklebarr.

7 Sept 46 in Mushrooms? Nacton, Lincolnsh.

36b. nigrita Mann:

elongata L.

22b nitidula L.

23 longicornis Gy?
halifax L. m.

24 scriptura L.

linearis Gy.
viridis Ste

26 angustula Gy.
filiformis Ste

fossularis L.
quisquiliarum Gyl.

27 nigricornis L

nigripalpis L.

brassicæ L.

subcyanea L.

28 terminalis Gy.

nitidiuscula Ste
nitidula Gyl?

29 fumata Mus

? May under a flint stone Hilton

consobrina Ste

30 testaceipes Ste
schoefera Ste

30b caliginosa Ste

atrimina Gy?

Philocopra Eric

confusis Ste — 2d May 57 g under bark of Scotch fir, broken down by wind, nr Melton.

septanus Gr?
elytra of o rugose 1.6.

cingulata K.

39 corticalis Gr.
obtusissima K.

40 ochropa K.

41 elongatula Gr.

43. circellans Gr gl.
rufescens K.
nigricans K. o.

44 bilineolata Wilk — 27 Apr. under stones Milton Downs

45 brachyptera K.

48 inquinula Gr.
50 foveolata K.

Sept. in putrid fungi Gloucest & Lancast, not uncom: F. Dolme

51 nigrofusca K.

52 Dolet. L.

immunis K.

apicalis Ste
analis Ste

47. micans Ste
contigua Ste
lutaria Wilk

53 stramentaria Gr?

denota K.

fumida K.
flavipes K.

lurifes K.
dissimilis K. o.

54 erythropa K.

obscuriuscula K.
aqua Wilk

amicta K.
amicta Ste

pulcramis K.

fusculo Ste

granifer Ste

atricomis Ste

pinicola Ste

56 vaccinii Pk. St. 3 28 f 25.
Boleti v. Gr.
hallipennis K.
fucatocollis K.

57 cuniculera K.
Boleti v. Gr.

58 obfuscata v.

59 calicollis K

rufangula K.

60 infuscata K.

61 varifer K.
minimi K.

62 obscurata K.

63 fulvina Wilk
Fungi Grav.

Found lib drunk under stones side of Southampton water; large & small
6 Sept 86 out of Mushrooms at Marine Villa.

11 May meadows Broadchalk Wilts

65 superbiosa K.
fulvipes K.

Agaricus K.

Mitellis Fr

Scandens Fr

microcephala Fr

of Ditrema Fries

auricula Fr

66 cinnamomea Fr.
dimidiata K.

67 Cantharellus Pers

68 zonalis K.

Same Leighton & on a wall nr Ambleside

69 flavida Pers

70 atriceps K.
melanocephala Pk.

Dipt. in abund in Decay'd Fungi, Whistonley Pk nr Rigan, Lancash, F. Holme

71 nigriceps Fries

Hydnacia Fr

72 ~~[illegible]~~

73 fabula Pers

74 cincta Fr?
lunulata B. Gyl.
lucida Fr
concinna Pers
lucida Fr

74 nigritula Lec.
lineato-collis K.

75 pyrrhoceras K.

bifurcata K.
Boleti. v. Lec.?

76 umbratula Will

77 fusca Man

78 tenuior K.
maculina Will.?

79 castaneipes K.

humula K.

81 pilosula K.

punctulata K.

flavicollis Ste
luteicollis Ste

fraxa Ste

fusciornis Ste

glauca Ste

Oligota Mann: Aleochara
pusillus Kir:

83 Puncio K.

84 cassei K. Emilio Ste

fuscipennis K.

minutissima K.

Guillemia Grev.

Dexphoda Mann.

85 candida K. — 12 July Morning

86 curvipes K.

livida K.

87 umbrata Grev.

88 emarginata K.

Hepharia K.

nana K.

melanocephala K.

fuscicornis K.

nigrofusca K.

89 ruficornis Grev.

lividifemoris Mann.

Lata Ste

hastipes Ste

acuminata Ste
spuria v. Grev.

alternans Grev. — Sept. in fungi at Mersey Hampton, Gloucester: not uncommon, F. Holme.

obfuscata Grev.

Homalotia Curt. B.E. 514
1 plana Gyl. 2. 402. 24.

Apt. Croft Yorksh. under bark of decaying elm
Found New Forest under rotten bark of Oak.
16 May offsides hedge Broad Alders Wood, Oct.

Hygronoma Erich.
2 dimidiata Gr. Curt. pl. 514.
basella Kiel
angustula Gyl. var.
3 minima - Erich.

Spring Ashham bogs nr. Tadcaster Yorksh, in large tufts of grass

Cyathophora Mann.
8. Fœtidula Cykl.

90 fasciata Mass. — 29 July 1810 on a boletus or fungus J. B. On an Agaric not v. c. Mersey Hampt.

91. mana Pk.
angustata K.
affinis Mann?

92. polita Grav. — Sept. com: n: Mersey Hampton.

pallicornis Ste

latissima Ste

marginata Ste

Aleochara
93 concolor K.
mœsta Grav?

nigrina K.

carnivora Grav.

95 immaculata K.

96 bilineata Cyl.

98 sericea Lea?
villosa Mann.

agilis K.

Cursitor K.

99 morion Grav.
minutula K.

exigua Man.
fusilla K.

100 fumata Grav

fuscula Grav.

hunstonii L.

villosula L.

fuliginosus L.
maerens Gyll.

erythrocnemus Steph
rufipennis L.

rufipes L.

crassicornis Gyll.

10. lanuginosa Gray

Sept. Winstanley Park, obtained F. Holmes

June 5 & off rushes, Cosmore Quaggy very in size

hirtis Gray

bimaculata L.
nitidula Illiger

102 diphunctata Gray
fuscipes var. Pk.

103 terminata L.
diphunctata Ill. 3. p. 15. p. 44.
bigutata Steph

105 nitida Gray.
bigutata ? L.

31 July cont. nr. Bedford. b. under rejectamenta Quam Ab.
26 Aug in dead eels shore of Thames at Greenhithe

106 velox L.

107 Curtis L.

dorsalis Steph

138 fuscipes Pk.
rectus L.
brevicornis Daul
sanguinea Linn. ? Pr. E. L. 4. 52.
nitidus Gray
crassicornis Boie
rufipennis Erichson of 147
rufipennis L.
lanigata Gyll ?

Found putrid carcases
4 Aug. Kingham

ciliata L.

109. Carex Gran
phalsfa L.

apr in moist meds. Mole

112. Dactylis L
Linnii Wilk. can:

Effing R. Surr
v. Jul. under rejectamenta Brompton. P. Stirling. R.H.G.
in a pasture Cad, Corney Park

Poëa Ste:

111 Cuncata Pk
112 Aquatica Sm

m. Mar: rejectamenta, Cobham, R. Cooper

113 nemoralis Gran.

Lancia sp.

Cat. Gran L.

May in moist Meds Hampstead Mr. E. Lowe
apr: P. fascicularis ab: with them nearly from to his meds 5. To E. J. B. 152.

6th May 1821, Birch-w. J.C.

April in moist meds Mole

220b Calliergon Gran. Cust. B.E. 443.
Sprenii L.
Cuspidatum Kai.

Mar. apr. abund: according all footed substrata & fungi
Spring Holywood n: Belfast under fury bushes, fresh grass among bracken
May of grass Southgate.

Mnium Hedw.
analio Dill.

m. fontanum Ste

meridianum Dl.
analiso. Pk.

castaneum Ste

cernuum sp.

nitidum Ste

formosum sp.
androgyne

222 Bryum L.
compliciatum L.
Lata L.

in moss, base of walls at Lord Kingo.
6. July sweeping heath in a Fir plantat. n: Stafford, Dawt. J.C.D.

223 Dicranda Lea

Leucobryum Cust B.E. 410.

1 dentata Sp: Gyf. 2. 441.
strumosa P.

Swansea; in Brit mus

Atemeles Dill. Gymnoder L.

under stones in Dry sandy places with Formica rufa

2 acuminatus K. paradoxus Gyf 2. 438. 2.
Ahr: 5. 12.

May in nests of Formica fusca, rarely with F. rufa about Hampstead Mr. F. Smith
Tarnham Park Marf: sand pits Bagley; High Beckington Dorset: Mantlestam Mr.
W. Hastings; New forest; Wimbledon Com: Swansea
Hampstead heath & Cat. Cheltenham & Glosta.

3 strumosus P. Gyf. 2. 437.

Diglossa Nal: Ent. M. L. 252.
Thursa Nal. ib. p. [illegible]

Found as far N as Dundrum bay,
May under stones & the ts of sea weed on Cov watermark on Port Rain sands, Dublin
10 Apr: ver at Baldoyle, behind the Station house, under stones half imbedded in sand, A. H. Hogan
Scotland Lavel

Gymnusa Kaw.
Brevicollis Pk.
emersa Grav

Ent. 188

13 May 44 swept off rushes, side of brook, Brockilla, Suff. J. C.
edge of a pond, nr Holywood. Nal.

The Ants (F. fusca) run about with them in their mouths, F. S.
Inmates of Formica flava, Sheet hedges wood, Bates

224 Lomechusa Gr.
emarginata Fa. Sc. 312 f. R. Gyl. 2. 460.

May & June under stones dry sandy ground with Formica rufa

Gymnusa Kar.
Aubia Gyll.

225 Diarthrus Lea. Cat. B. 2. 107.

Scaphidiscus Gyll.
angulosus Lea
biguttatus Linn?

apt banks of river nr. Roslyn Castle, Scotland, at Shotteswell & Woodland
may banks of Dee & Water. Stirling.
m. June Lancaster bridge S.B. Southgate
m. Aug. nr. Pinner cut. crawling upon wet moss on a string under long grass
hanging down the alder.
Rochilles

226 Atomaria Lat. Cat. B. 2. 164. Denn. S. E. 2. 157. Pk. 3. B.
Erie. G. S. 689. to Edsa 9. 191. Dichotomus method.
+ 6 ornatipennis K. Erie

m. May 30 Tolesbury, S.B.

5. Kirbii Lea Cat. pl. 162, 1827, Gyll. 4, 499
biguttatus v. Gyl. 2, 464, 2
Gutula Muli: in Germ Mag. 4, 225 (1821).

m June in a damp moss Kensington: banks of Croydon Canal
12 Aug. under stones, sides of Cliff, Black Gang Chine
May under damp boards, water meadows, Milton. Weston on the Green. 30th Hayes Park

3. biguttulatus Gyll: Mars
biguttatus Lin. Sc. Pz. 11. 17. Dow. 16. 573. Erie

(O moist banks. July on wet places.

2 bipunctata L. Erie. 691, 2.
bipunctatus Cat.

Weston on the green.

2. biguttatus Gr.
Lunus v. Pz. ~~Erie~~.

1. bimaculatus Gyl. Er
biguttatus Mar. Sam. pl. 4 f. 13.
Lunus Gr.

Mar. under moss.
May under Pied. (Wrentham, Covehithe), which had lain all Winter

30 pusillus Ste
exiguus Erie 706

Waterhouse

Dermestes Lea
+ 8 fuscillus Mt. Erie.
nanus Ste. Mur.

Apr May June, Downham

nitens K.

nitidus K. Ste
+ planicus Erc. Murr.
placopus K. Ste?
nitidulus L.

10 melanarius K. Erie

8 June 20, Potters bridge

11 melanopus Mar.

12 angustatus K.
min. [illegible]

Apr moist banks. 30 mm? over mud water meadows, Milton
may
June

2. minuta Gray.

3 brewellii Cat. 188 Edge of a pond nr. Holywood. Ant.

7 Juno F. Syst. Fr.
clavicornis F.
bipsthalmus Lat.
boopo Gray

exiguus Eric. 706
fusillus K. St.

53 filum, Er	flavipes K.	4 – 1
80 picipes, Steph & Kirby = palustris, Er. ?	unm.	4 – 2
+ vafellus, Er.		4 – 2
57 subæneus, Er	geminatus St.?	4 – 3
80 picipes, Steph.		4 – 3
54 impressus, Er	unm	4 – 4
+ vafellus, Er	♂	4 – 5
71 fuscipes, Er.		4 – 5
56 tempestivus, Er.	Innocuus	4 – 6

54 impressus, Er.	Acris	5 – 1
59 circularis, Er.		5 – 2
× vafellus, Er.		5 – 3
71 fuscipes, Er		5 – 3
× vafellus, Er	phæopus K.	5 – 4
51 tarsalis, Er	flavitarsis St.	5 – 5
81 planeus, Er	rufitarsis K	5 – 6

51 tarsalis, Er		6 – 1
81 planeus, Er.	nigritarsis K.	6 – 2
72 campestris, Er	unm.	6 – 3
68 unicolor, Er.	brunipes K.	6 – 4
85 Erichsoni, Wat. MS.	♂	6 – 4
comes very close to St. nigritulus, Er.		
67 latifrons, Er.	unm	6 – 5
51 tarsalis, Er.	♂	6 – 6

66 paganus, Er	fulvicornis K	7 – 1
51 tarsalis, Er. (perhaps belongs to Column 6)		7 – 2
50 cicindeloides, Er	scabrior K	7 – 2
76 oculatus, Er	~~scabrior K.~~	7 – 3
87 basalis Curtis: contractus, Erichs. and fornicatus, Kirby		7 – 4

68 unicolor, Er.		8 – 1
85 Erichsoni, Waterh. MS.	assimilis St	8 – 2
a provincial name only.		

61 exiguus, Erichs

44 bipunctatus, Er.

45 guttula, Er.

Please accept the above three species, two of them are not new to the collection but the specimens are rather better than those in the box – the species bigutattus and bipunctatus are very close and it requires good, unpinned specimens to see the characters distinctly – J. K. W.

The species marked × appears to agree well with Erichson's description of St. vafellus: it is the first time I have seen it in British –

one more word – turn

Mr Walkershaw
Jun 1 1837

Species of Stenus in Mr Curtis' Collection

			Column	No.
46.	bimaculatus, Erichson,		1	1
43	biguttatus, Er		1	2
44	bipunctatus, Er	bipustulatus L	1	3
45	guttula, Er (Mull 1821)	Kirbyi B & Gyll 1827 (May 1827)	1	4
47	Juno, Er	Pk	1	5
60	pusillus, Er		1	6
81	planicus, Er (C. Sim Darant)	unm?	2	1
62	melanopus, Marsh. & Kirby	unman?	2	2
51	tarsalis, Er	~~melanopus Marsh~~	2	2
12	melanopus, March.	~~angustatus~~	2	3
	& perhaps the same rather mouldy		2	3
59	buphthalmus, Er	angustatus K	2	4
83	æmulus, Er – right hand specimen		2	5
77	canaliculatus, Er. left do		2	5
59	buphthalmus, Er.	affinis K	2	6
75	rusticus, Er	pisorinus K	3	1
84	plantaris, Er	palitarsis	3	2
48	binotatus, Er	Cavior K	3	3
49	subimpressus, Er	pubescens K	3	4
84	plantaris, Er	unm	3	5
74	speculator, Er	providens Er canaliculatus	3	6

I should feel much obliged by your furnishing me the localities of any of the species in this list – they are an some of them, but I cannot find them –

Yr J. Curtis Esq.

enus 1st Column
maculata 3 Gy
Liguttatus L
Lifustulatus L
Kirbii B. 2.
Lenis Pb
Pusillus K2

2nd

1 unm ? [11]
2 ♂ 2
3 melanopus Man
4 angustatus K. 3.
5 ♂ 2
6 affinis K. 2

3rd

1 Pilosulus K 2
2 pallitarsis K.
3 lævior K. 2.
4 pubescens K 2
5 unm ? 3
6 canaliculatus Gyl.
providus Eric

4th

1 flavipes K. 3
2 unm ? 2
3 geniculatus Ste. 2
4 unm ?
5 ♂ 2
6 Incorum Lea

5th

1 acoris 2
2 circularis Gy.
3 fuscipes Gy. 2.
4 theopus K.
5 flavitarsis Wilk 2
6 rufitarsis K.

6th

1 tarsalis Gy. 2
2 nigrilavis K
3 unm ? 2
4 brunnipes K. 2
5 unm ?
6 ♂.

7th

1 fulviconis K 2
2 unm ?
3 scabrior K. 2
4 occultatus Gy. 3
5 basalis Curt. 2
6

8th

1 unicolor 2
2 assimilis K. 2 nigritulus Gyl
Erichsoni Water Mus

13 affinis L.

14 illyrica L.

61 + paludosus L.
plantaris Lric

15. laevis Fuar.

binotatus Lric
59 + 16 laevor Step.

n. May, 35 Tollsbury, Cooch

60 + 17 fuberens L.
subimpressus Lric

Apr. May Weston on the Green.

18 + 19 lapathariums Gyll. Sc.
Boops Lpin
cuneiformis Fb. 27.11

Apr, 30th rum? over mud, water-meadows, Milton
May moist banks
June

bicaturus K.

compressus Ste

22. subcordatus K.
bacunorum Kirb?

20. convergentus K.
bimotatus Lin?

21. cuspidatus K. Gyll. 4. 501. nomen is speculator Lric
Motosidous K.
lapathariums Gyll.
atricornis Ste

14 July, Horning
8 June marshes, Potter's bridge
27 Apr under stones, Milton & Downham

23 clavicornis F.

25 speculator Boi. Lric
Boops Gyll. Ste
cuneiformis Gyll.
clavicornis Pelm. Ste

26 nigricornis K.
clavicornis Scop
speculator Kirb

n June Lucombe

Apr
May.

punctatissimus Ste

65 + nitidicornis K. Ste
tempestivus Lric

27 funestus Fab. nomen is tempestivus Lric

Apr. May

impressus Er, Germ

72 + 28 Acrio K.

Ap. May June moist banks
Aug I of Wight
Oct. Herm Coast Broad Alders
2 June side of river Stafford Dorset. 26th Cormore Quag. very large

29 gonyneldes L.

geniculatus Ste Er?

13 Aug Micklham
2 June, Potter's bridge

tenuicornis Ste

30 ossium K.

subrufescens Ste

77 31a pallipes Gyll. Er.
minutus Mar. Ste
circularis a. Gyll.

57 + 31 circularis Gyll. Ere
Erichs K.

flavipes K. Er? [illegible]

7 Oct. Gl. Wood. 15th Broad alders. Weston on the Green
18 May Mullets Copse
6 Jul. Bordeaux 23.
m. June Bamble holts.

69 + 32 fuscipes Gyll. Ere

argyrostoma Ste.

66? 33 fuscipes K. Ste
palustris Ere?

Potter's bridge

34 phaopus K. [illegible]

gracilis Ste

fornicatus K. is any basalis
crassus K.
contractus Ere
assimilis K.

56 + unicolor K. Ere [illegible]

Ap. moist banks
May 30th, 50 Gl. Wood.
June
July Bordeaux

36 rufitarsis K. [illegible]
35. flavitarsis Will?

Ap. May June
Winter roots of trees in abundance Christchurch meadows, F.N.
18 May Mullers Copse

79 + 37 tarsalis Gyll. Er
claviconis Dej. Grav. Rossi

May Gl. Wood Nov, J.C.

55, 72 + campestris Er — 8 June 40, Potter's bridge

75 + palustris Er.
proboscidens Gyl.
canaliculatus K. Ste. Murr.

72, 54 + impressus Er. 28 for Coradhee
proboscideus Gyll. [illegible]
acuris Bois. Step.
pallipes, c. Gyll

68 + subimpressus Er
vide 17 fuscescens K.

62, 81 + planus Erir
nitidus Ste — 6. June, Darnick I. C.

26, 8? + annulus Er — 14 July 40, Horning Marshes, I. C.

41, 81 + planiaris Erir
pallitarsis K. vide 14a — 14 Jul. 40 Horning Marshes

58 + vafellus Er — 14 July 40 Horning

54 nigritulus Erir
unicolor Ste. K. Murr

52 Erichsoni Wal. — 20 June, 50, Cormor Quag

64 + rusticus Er.
picipes Ste: teste Murray

65 + tempestivus Er.
nitidiusculus Ste. Murr

70 + suboneus Er.
geniculatus Mann

var of last 38. nigricornis K. — Winter at roots of trees, Christchurch meadows in abund. R. Holme
clavicornis Grav.
ophthalmus Lin
Carolus v. Gyl.
39 curvipes K.

latifrons Er.
101 + 40. brunnipes K. — Apr. moist banks
unicolor K. — May
June
July Bordeaux

Marshami Ste.
immunis Mar.

41. pallipes Grav. Er.
31a immunis Mars. Ste. Faste Mur.

42. fulvicornis K.
+ paganus Eric.

similis K.

cognatus Ste.

62 + 43. cicindeloides Grav Er. — O moist banks.
bipustulatus Rossi, clavicornis Rossi — 21 Aug. Cacu-wood.
ligustratus v. Ol. (Paderus)
scarites K. — 21 Aug. Cacu-wood.

+ 44. scalatus Grav. Gyl. Er. — Apt. May. 25th Mutcis Copse nat.
clavicornis Mar. — Jul. hound place. 30th undercliff, Dover & 15 Aug. Bere wood
similis Kirb. — 8 June Pedis bridge
ligustratus v. Ol.

227 Paderus Fab. Cat B. E. 108.

1 riparius L. Dan. 5. pl. 167. B.G.M. Sam 4. 12 — Apt. on banks, under stones, amongst grass nr. London
mandibles black. — May under rejectamenta Tollesbury
June Rapt
in Aug under stones Isle of W.

2 litoralis Grav. mandibles red — nr. Jul. Norf. Devon. amongst reds Whitstable near. Hapton Lea 12 June
nr. May Cockettes in abundance Dr. Rennie over stems & leaves of Osiers, R. Holme.

3 fuscipes Cat. B. E. 108. 1826
longipennis Er. 1837 — Sept. amongst lichen, old white throw, Brockenhurst. Chaw & Bentley
30 June sea shore, under rejectamenta, Bracklesham. 12th roots of grass T. Hapton Lea.
Aug: on sands nr. Ryde.

4 mysticollis Ill. Fn. 27. 22. — Stephens

5 sanguinicollis Ste. — in Brit. Mus.

78. + filum Gr.
flavipes K. Ste teste A.M.

100 + fragans Gr.

101 + latifrons Gr.
morio, v. Gr.
brunnipes K.

102 + contractus Gnc
46 B basalis Cuck. Ann N. H. 5. 277. June 40 May a mud in the Mac Forest. J.C.D.
contractus, Erich. 1839 & Aug 40
formicatus K & Step.? Nov. 33.

228 Kuralia Lea. Cat. B.E. 168. Atherina L.

1 fragilis Gen. Cat. p. 168. — July common enough in bed of Beech faggots at Fontainebleau, Chevrolat. Spring under bank of pollard willow, Walthamstow Jenny. A. Cooper. Wakefield, Forest

2 mediterranea C. & V. — Pg. 23. 21. — Under stones in more moist places. 5 Sept. in Dang

3 Jenynsii R.

4 [illegible]

228? Atherina L.
Cuvier Cat. 1 angustata Pk. Z. Dan. 16 573. 1. Pg. MS. Bl. 3. pl. 2. f. 8 — Det. under fallen trees Nelley, R. K. Spence. Broad Oldwood S. C. & Jan Wickham Pilling Fareham
gracilis Ag. — Aug. & under stone at Meton. Sept. & Lucond.

2 [illegible]

3 [illegible]

8 [illegible]

Scopelus Cuv.
1 [illegible] minutus Cuv. G. S. Stapf. 606, 3. — Sawon

229 Lamna Cuv. — Alopecias L.
1 vulpecula Gm. — Aug. under stones, Meton
upsicaper R.

2 Cuvier Gm. — Aug. under stones at Meton

3 maximus Alopecias L. Pg. — 8 June St Cove
cornubicus Gm. — 25 Aug. Grantilla.
12 Oct. Gl. West.

4 [illegible] glaucus L.

5 cuvier Cat. Zool. N. S. 277.

229? Mustelus Cuv. — Galeorhinus Ag.? Lithoscuis Ag.: Cuv.
1 Mustelus Gm. — 5. 273. pl. 27 f. 2. — June 22, New forest, Rudd.
vulgaris Gm. — Cuv. 2. 610.

230 Galeorhinus Lea. — B.E. 102.
1 horscia L. — B.E. 102. — Aug. on shore Roof; under stones, on coast Castle Eden Dene; and fish at Bridlington.

2 Mustelus L.

3 [illegible]

4 [illegible] L. — Roof & Hooker

furcata Mann. Enc. 2. 611 27 Apr. 42. Wilton, J. C
15, 7, 54. Two, under stones, Hampton Rocks, Bath.

Carex L.	Left rive: Bristol.
dasycarpus 3.	
2 fucca Gray. Mus. p. 75. n. 11.	in Bristol & Devon
2 [illegible] Lect.	plant 2 under rump heads Wilton [illegible]
[illegible]	
3 nigra Gray Mus. 75. 12.	left rive: Bristol.
4 [illegible] Gray. Mus. p. 10	sept under stone, running plants Battersea fields; Nat: Sel:
[illegible]	
5 conjuncta L. Ste	Nat & Sel.
5 [illegible] Gray Man. 151. 7.	Sept. roots of grass on banks in Meadows, Battersea fields
	May
[illegible]	
231 [illegible] Lin.	
[illegible] Gray	12 May under a stone Gravelly wood & Wilton
[illegible]	
[illegible]	
[illegible]	
C. [illegible]	
3 [illegible]	13 Aug. Rushbottom [illegible] Kirby
	Sept. & Oct. Dera. [illegible] in [illegible] & [illegible] in [illegible]
	Oct. Sept. many in a pitch bottom of wood, Mother
232. Lepraceae Nitt Lemt.	Germ Mag: v 3. pt. 2. Zool Jour. 2 425. [illegible]
1 Reichenbachii Lea. Dem. 9. 1	Nat. on Cucumber beds, Effing.
nanus Reich. 9. 11	
1a rufescens Sk	
ambiguus Reich.	
2. sanguineus Dem. 12. 2	May Sun Cucumber frames
	Effing
3. Karoberii Rei. Dem. 12. 3	[illegible]
sanguineus 9. 11	
3a minutus Mar. is signatus	In Bredon Hill, Cucumber beds Effing
castaneus Lem. mss.	

From Dutch's Review in the Amer. Nat. for 1884, p. 77. They feed on minute Hypnozoans. E.D.

4. signatus Kei Syst. Den. 13 L in moss Barham
in angular Lichen
Sure, Harrietsham.

5. Kirbii Lea. Den 14.5
Fischeri Rabh
Tischeri Heer Bat Mus

6. Juniperi Lea. Den 16.1
antiquus Reich.
rufiennis Hb. [illegible]

7. Lesleri K. Den 17.7
glandicolens Syst. Stipe Bat
[illegible]

Trinium Rabh
8. Trevisanis Kei Den. 18.5 [illegible] Bat Mus
[illegible]

9. Bacotrochiaum L.

233 Bythinus Leach

1. Curtisii Lea Den. 20.1
bicolor Rabh
Curtisianus Lacb Zool Journ. [illegible]
[illegible] Hb. [illegible] 2. 245.
[illegible]
Rachills
[illegible]

2. Lucasii Kei. Den. 21.1
[illegible] [illegible]
[illegible]

3. Burrellii Den. 22.3
Juniper Rabh [illegible]
moss Craigtockhart. [illegible]

234 Arcopagus Lea Curt. B. E. 222.

1. bullior Kei t. 1 f. 6. Denny pl 5 f. 1.
glabricollis [illegible] Dec moss in woods & on marshes at Norf: Dunley & Hunter Lincolnsh, about Lp. Rachills. Newcastle

2. clavicornis Kg. 99.3. Reich t. 1 f. 7. Den pl 5 f. 2.
glabricollis Reich May amongst moss Bromley Barrows at Swansea: sandy flats Falmouth

3. fenestricollis Den. 23 B. E. 2. 222.
chevrolatii Rabh
regularis [illegible] in moss & damp places Norning; about Dunley; Hartford; Newcastle
Rachills. Netley [illegible]

4. glabricollis Reich. t. 1 f. 8. Den. pl 5 f. 4. [illegible] Spring Norf. at London; Bristol; at Dunley: under moss in woods Sure; Harrietsham.
Rachills

235. Tychus Lea
1 niger Pk. Reich. Den pl 30 in Hypnum triquetrum. Norf London Bristol
indicanus Rich

236 Bryaxis. Kno. Leach. B. E. 315.

1. fumosum Lea. Den. pl 8 f 3. Sure Cosser: in moss, among rushes & at foot of trees Ho Dunsa. Dunsfield
Rachills, under stones. & Downham

Euplectus 1 sulcicollis Reich. B. E. 315.
Dresdensis Mk. Pk. 3. 3 Sept. Carlisle City walls
27 Apr: under flint stones in Dry dikes S of Milton, in nests of Myrmica rubra?
[illegible]

2. hematicus Kei Den pl 8 f 2. f 38 6. Sept. under stones S of Mt: moss in woods Ashburton, Devon
sanguineus Gyll
nodosus Rich Mokle Mem. Soc. Nat de Mosk. t. 3 [illegible] 2 in Nest of Myrmica rubra, Duval.

3. fossulatus Kei. Den. pl 8 f 1. f. 37 Very Copenhagen fields; sandy flats Netley; moss & stumps of trees Norf.
wings very short Winter in moss Southgate.
2 May under a flint stone, at Milton

Vide Le Conte's Mem: & abstract in Tr. E. S. (52) vol. p. 119

At the roots of grass in the day, at their summit in the evening, near Quebec.

In the evening upon herbs in damp woods. Quebec

L. impressus Pz. 39.10 Den. fl. 7 f. 2 p. 35 May: moss in marshes & stumps of trees in Dunham woods Norf.
Rend.
June, Harietsham

3. nivianus Hübn. 2. 2. f. 6.
Tortrix Hb. 35. f.
Xanthoptera flavedana Hübn. Tortrix Linn. Lin. Wien. p. 2
rufifrons Hübner & Tortrix Hübner

22 Oct. Cambridge & the Dean's museum Folume, Cambridge

5. conjunctana Hübn. Den. fl. 7 f. 3 f.
[illegible] Pz. 89.11.

Apl. moss in Dunham woods Norf. rocks & grass sloping banks, Battersea fields
to
Judge, marsh & Hastings
12 May 1811 on palings w. Norwich nine years old
Apl. taken with the last.
summer

Bathriscus lucid
versus the Reily Mons. Dr. H.
7. unguicularis Den. fl. 7. f. 1.
Bradley & Raynal's lucid d.

on field bee in the forest & Barham: Thetford.

Wilts & Hants Dr. Fowler's Lark & in the hollow wood in the midst of Bamber enclosure. Hants

237. Pterophorus Hübn. Lat. Gyll. i. 222
1. Serotinus Hübn. Den. f. 43.

Apl. Lancaster banks & rivulets Norf. Croydon, Godstone, London, Bristol

April. Rochills, under stones 27th under flint stone Mr. Stilton with Myrmica rubra
Dr. Leach in a wood for Wrotham: Harietsham
at the foot of three fir trees in Wrotham
Mr. Goming Norf. Devon
at the south of great fir trees Dover
June, Harietsham.

2. Acuticornis Hübn.
Trichodactylus Pz. 98.2

Den. f. 46

May: London Norf. & Bristol

3. Lithodactylus Hübn.
Stigma Fb.

Den. f. 47

238 Hypomenus Lat.

Hon. are commoners f. 1 & 2 on Polygonum in the Dung hills, b. Dr.
Matthew M. Matthew Bab.

1. Tarsatus Hübn.
Pterophorus Tetradactylus

Den. f. 5.

London & Bristol. Cucumber beds, Epping.
June, Harietsham

2. Pedicornis Hübn. f.
dentidactylus Hübn.

Den. f. 59

Mr. Epping forest & Norf.

3. Lithodactylus

Den. f. 60

moss stumps of trees Carlisle: Cucumber beds, Epping.

7. Merlus Lat.:

4. Pentadactylus Hübn.

Den. f. 63

London

Bailiffs

5. Dactylodactylus Hübn.
Pentadactylus Hübn.

Den. f. 62.

Norf.

6. Monodactylus Hübn.

Den. f. 65

Mr. Norf.

Rochills.

7. Pennatodactylus Hübn.
dentidactylus Hübn.

8. Sparsalis Den. f. 66

Mon. woods

Norf.

8 Scutellaris Hübn.

Den. f. 67.

Bristol

9 bicolor Curt: Dunnigton: f. 68.10

237 Claviger

1. foveolatus Müll. in Germ's Mag: Zoologist, 1, 266 & wood cut.
Testaceus Pubescens & fg:

21 Aug Wychwood forest Oxfordsh: Mr Westwood. in the nest of Formica flava.

19 June 43, 23 at Micklham, in nests of F. flava, under stones in the burrows in which the Pupa were lying: 3 pr were in cop. F. fuscata.

29 Apr. 43. in a stony field, back of Box hill & Mr Mary in nests of Formica flava, which ran off with them in their mouths when disturbed. E. Doubleday. Sept Nat Darking S. Stev.

Mr Aulie finds them also in nests of Formica nigra & Myrmica c aspitum. Ann de la Soc. Ent 1846 p. 153

10 collaris Kunz
minutus Gyll. — Kunz [illegible] Cumberbeds, Epping. June, Dereichsam.

11 fusillus Kunz. — Lombw. Bristol. Cumberbeds, Epping.

11 interrosus Gyll.
hunetiensis Sh.

1 hunetiensis Sh.
collaris Kunz.

13 Kirtlandii Curtis,
angulatus Kunz: — [illegible]

Megalodera Sh.
13 Paradisiaca Kunz. — [illegible]

239 Astrocarauxeu [illegible] B. E. 612. Calyptobium Aubé Annales la Soc. [illegible], 1843, p. 241. Cenj. Subcolonargon, Porro.
Latrimus Batte. Sylvanus Bick.
1 depressus Curt. in Ent. Mag. 1. 186. (1833).
Ville Aubé. R. E. S. 4. 234.
singularis Beck. Beitr. zur Baierische Insc. Fam.
not. de of Cooey Lime Kiln & mangoilists pond, Kew
on the wing at Deal, Lambeville & Lambetta I. F. S.

238a Lathrea L. Herb.
Lathraeoides Sh.

240 Corticaria Marsh.
1 ferruginea Marsh.
fusculata Sh.

1 elongata Gyll.

2 similata Aube.

2 pallida Marsh. 112. 22.
angulata Gyll.

2 transversalis Aube. — Rochester. 26 Aug. House, Greenhithe.

3 gibbosa Herb.
minuta F.
impressa Marsh 110. 11.
6 linearis Pk.

7 longicornis Aube.

8 fuberculata Gyll.
punctulata Marsh 109. 8 — May Sorbitle Suff. 28 Apr. in the House, Wilton

9 Denticulata Gyll.

and specimens was taken in the Prairie of Pelle House in France and from Brazil.

10. [illegible] Gyll.

11. [illegible] Fr.

Fol. Parmeocoma [illegible] Fr. 2 cc.

1. bicolor [illegible] in Kof. Mag. 1.180.
melanocephalus Hudt Kof. 5.9. pl 66. f.9. Sow 18 f.77 pl. 341. A.
fungorum Gyll. 1.172.9.

252. Crypta K. — Parmachus Fowler

Chaetomelaena K.
[illegible] 367. pl. 7. Berk. Descriptions

253. Labidiea Hudt. [illegible]

1. Cardarum Pers.
[illegible]
[illegible]
2. [illegible] Fr.

3. [illegible] Fr. [illegible] f. 13 f. 4. Gyll. 2. 137

4. [illegible] Gyll.

5. [illegible]
[illegible] Fr. pl. 23. 8. [illegible] Fr.
[illegible] Fr.
6. [illegible] Nees.

7. [illegible] Fr.

8. [illegible] Fr.
[illegible] Gyll. 2. 139.

9. [illegible] f. 20
[illegible] Gyll.

10. [illegible] Fr.
[illegible]

11. [illegible] Gyll. pl. 3 f. 137

12. [illegible] Gyll.

13. [illegible] Fr.

Labidiea Hudt. — Cryptotophagus Gyll.

m. June beat off Burg Lindsey & lands of the Mdd. W. Walton & S.B.
Francis Park, Southgate
On bee fungi especially Poplars Gyll.

12 May [illegible] under hundles of Reeds, Covehithe Suff. Ipswich, Erfurt Mus.
amongst Sedge after a flood, Lamb. J. E. W. In society on leaves of Carex acuta

Lives in roots of Carex acuta Reed.
The larvae are lignivorous & phytophagous Perris.

Apl. Sedge & sandy places Downham
[illegible] Barton Park
May 19th 69, Bayes Park
May

Nov.

Cucumber bds. Effing.

Quae [illegible] Westbeam
[illegible] hafer & old wood in houses
[illegible]
May

Bulmers Park, E. H. Greville.

[illegible] f. 20 18 [illegible] f. 20
[illegible] Gyll.

[illegible] Fr. [illegible]
[illegible]

[illegible] Gyll.

[illegible]

[illegible] Gyll.
[illegible]

[illegible]

[illegible] Gyll.
[illegible]

[illegible] Gyll.
[illegible]

[illegible] Fr. pl. 30.

[illegible] Gyll.
[illegible]

254 Lycoperdon L.

1. [illegible] L.
Holoxanthus Fr.
canaliculatus Fr. Fr. 4. 16.
[illegible] L.
tubescens Fr.

Mar. Kingham. b. Sam trunks of felled & barked trees New Forest. Hamb.
Apr. Dwood & palings, Mar. b. Dead Hornbeam.

Fundy; Mr. &c

3d July 52. a few off hedges, swampy esp. near Tunbridge wells

& Sept. recd on Vetch in hedge, Felixstow; Walk.

243a. R. betroque Fr. — Lycoperdium Tuber.

1. Geaster fimbriatus Tuber.
   Fumosus Fr.
   Saccatus Fr.

245. Synchytrium Desm.: — Caylon Cryp. 3. 416 — Elaphomyces Fab. Lycoperdon Fab.

1. Taraxaci Pers. — Pers. 5. 17 Ent. Autumno invenit Hum. v. 20, fl. 365, f. A — Tree under bark of Hornbeam, Reynalds forest. J. Hanson.
   obtusa Desb.:
   humanus Fr.

246. Monostroma Desv. — Caylon Lab. Cryp. 3. 415. — Corticaria Mus: Lycoperdon Pf.

1. bullosum Desv. Col. 5. — Fl. 26. f. 2. Cryptl. 5. 417. Ann. & Mag. 6. 458. fl. 17. f. 13. — 13 Aug. Hurstbourne
   contracta Desv. 110. 13.
   Monostroma bullosum
   28. July Castle, pond
   28 Apr. in fields Wilson. Cucumber beds, Epping.
   with Dan. & bark of an old stable near Selby, Yorks

2. gracile Desv. Ann. & M. N. 5. 277. — 3 various seasons at Bay of Belfast. R. H. H.
   crassiusculum Cryp. 5. 4. 635. Ann. & M. fl. 17. f. 8
   angustatum Desv.

Compactum Fr. 3. 102. — Cucumber beds, Epping.
   pallidum Fr. p. 3. 103.
   quadricollis Desv. Ann. & M. 17. f. 7. — In stable manure & Mushroom beds. Desv.

247. Chlamydomonas Ehr.
   nivalis Fr. — 6. June under bark of Slopes New forest with Ips 6-guttata & Elater sanguineus
   Windsor Greenhouse.
   Aug. Dec. in rotten stumps, Hainault forest. J. Hanson

1. Pertinax Ehr. Syn. — Pers. Ann. 3. 97. — June & July in a most gloomy in Norwich in multitudes, in the gorseping of the
   Tinctoria Ehr.
   Fumosus Ehr. — Fumosus in Scotland, Dryfum, Wed. in Lake of Fice, bog of Ugie near
   Epping forest, Yorks. Scotland, under bark of Fir. J. Ott.
   vexatus Ehr. M. N. Ann. Sc. Nat. 2 Ser. v. 7. p. 365.
2. Ehrenbergii Ehr.

248. Botrytis Pers. 5. 25. B. S. 28. — Ditoma Ill. Mag. 6. 320. Lycoperdon Pal.

1. cinerea Pers. p. 1. 24. — Hum. v. 20, fl. 363.
   vulgaris Pers. L. P. 2. 502. Hum.
   May June under bark of Beech trees New forest also J. C. Dark stumps, Hainault
   July Aug. Little Chelsea & New forest.
   2 May on stool of large tree sprouting near Helton.
   Oct. abund. under rotten bark of Hornbeam in Tang. Hundred, Hainault forest. J. Hanson

248a. Coniotium Link — Hum.

1. Corium Link Fr. P. 1. 3, 312. Pers. 3. 17.
   Hum. v. 20. 51. fl. 368. A
   Lineare Ol. 2. 18.

249. Aspergillus Link. — L. & T. Hum. D. F. v. 22. fl. 397.

1. Glaucus Link
   Lanatus Link.
   in Apr. 30 under bark of old elm rails, Sydenham Kent
   2 May in May; mine bark of elm posts, Bridgewater Soil of.
   June Barent & out of a bramble, Notts

249b. Aspergillus Link.

1. Repens Link in Tab. Mag. (1833) v. 1 p. 187. — Kirk, Esq. Ockbrook.

250. Hypoxylon Bull. — L. & T. Hum. D. F. v. 22.

1. coccineum Fr. Syst. — May under bark of Pines, Manchester; Stafford & Pasley
   June
   Oct. abund. under bark of dead Hornbeams, Hainault
   Dec. barks of beech trees Weldon Park
2. equinoctiale Lev. not d. Fr. — n. London
2. fuciforme Fr. 2. v. 18. fl. 1. f. 7. — May & June, Mr. Wood, Manchester.

Teredosoma Teredus antiquus

Head short semicircular, eyes lateral. Thorax long cylindric, tapering a little to the hinder end: vertex minute, obtuse. Elytra scarcely broader than the thorax, but tapering, ~~broad~~ elliptic cylindric, striate, apex filled. Legs short, ~~thighs~~ compressed: tibiæ dilated toward the apex with a few minute spines: tarsi long, 4-jointed, 3 basal joints small: claws simple.

Antennæ short, inserted before the eyes, capitate, hairy, 11-jointed, basal joint stout hatchet-shaped 2d ~~slender~~, obovate, 3d as long & slender 6 following obovate-truncate, increasing in diameter, 10th & 11th forming a compressed club, the former semicircular, the latter subovoid.

Labrum broad & short ciliated & pilose

Mandibles broad at the base, bidentate with a hairy membranous internal margin

Maxillæ with a long slender hairy internal lobe, & a broad but slender external one terminated by an oval brush of hairs. Palpi somewhat long & stout & 4-jointed, basal joint small 2d seminvolute, 3d transverse, 4th the longest ovate-cone, slightly truncated.

Mentum trij ovate-truncate. Lip small subrhomboidal. Palpi short & stout ciliated with pilose vestiture, 3-articulate, basal joint seminvolute, 2d ovate cone slightly truncated.

Individuals Pl. black shining, punctured: elytra sometimes black with faintly punctostriate; antennæ & legs sanguineous. 1¼ to 2 lines

I am ignorant of this recent discovery I owe indebted to Mr. Freeman who lat. found

in Stanford forest

248 c Teredosoma Cast. Ann. N. H. 5. 277.
Teredus Dej. Muck. Mem. Ins. Peri. v 2 no 18

Individuals Fabr.
Stum v. 20, pl. 359.
cylindricus Oliv. pl 2 f 16.

Muck. Col. pl. 34 f 6.

22 June, 8 specimens by Moonlight in Budleigh road old wood in the trunk of an old oak which had been dead 10 or 12 years Mr. Freeman of Dunsford Devon

1 Defressus Fab. Gyll.

under bark of oaks roof.
2 May 22 many in crevices of broken, but fresh trunks of Scotch fir. Wilton

Imaging Wick — New forests, N. of England
20 Apr. under bark of Birch stumps, Langley Wood, Wilton, near Cucumber Bridge, Epping

3d Cordiceps Linn. S. H. 2. 283 — In the wood of old coffins, Dr Smith.

~~Cordiceps Fries~~
Sphaeria Pk. 3. 328. 3. (a.D. 1800). Gyll. 3. 224. 5. ex. a.p.
Clavaria Bull. t. 15. n. 2. ad 18. (a.D. 1790) — under bark of oaks between Sparsholt & Wolvern, Hants. — on Oak at Foots Cray Place, near Sidcup, Kent. Lord G.

Sphaeria Pk.
~~Cordiceps Fries~~

Cordiceps militaris (a.D. 1792) Fr. S. V. 2. — Jan. 1830, on silk queen. May, under bark of Elm & Beech trees, Kensington gardens: Nat. Sept. New forest.
Sphaeria militaris Pk. β Gyll. n. 2. infundibuliformis Tab. fl. 245 f. 4.
Clavaria militaris Bull. t. 5 f. 1 & n. 5 f. 1 & Kalchbrenner figures
Tremella militaris Batsch.
Sphaeria militaris Pk. Gyll. — Dec. Tunbridge Wells, under bark of Beech trees.

Hypocreales Fr. — Hypocrinae Fr.

Hypocrea Fr. Pg. 12. 13 — May, under bark of Elms in Plymouth; New forest, under bark of Dead Beech trees.
Sphaeria Hypocrea Sc. 2. n. 18 f. 11 f. 2. — in Fungi Britannici forest.

2. Hypocrea Bull. P. t. 2. ad 30. Pg. 12. 14. — Jan. under bark of Elms, Wych & Birch. Apr. May in a rotten tree in Kensington gardens, ad Stella Creek Wolf, Sydenham Kent in mund. C. Bauer.

3. Hypocrea Fr. Pg. 12. 25 — Oct. under bark of an Elm, Sundridge Park, near Bromley, Kent. Dec. Sydenham, Kent. Pinter. Fungi Lam. n. 2 in Lamy Engen under bark of Beech and hard wood, Tunbridge.
Hypocrea Sc. 2. n. 18 f. 12 f. 18

4. Hypocrea Fr. Pg. 12. 31. Gyll. 2. 590.

Hypocrea Fr. Sum. fl. 2 n. 6. Pg. 12. 12.
Sum. fl. 2 f. 1. Tab. 4. Del. 5. 12 f. 2. — Apr. under bark, granaries & bake houses & houses in meal & flour. Norwich. May. June. Daly in the House, Hayes.

Hypocrea Fr.
corpus.

2. Hypocrea Fr. Pg. 12. 13.
Hypocrea Sow. — Apr. in American flour. May. Feb. Leith & Portobello. Miller in wheat. June in cellars.

Hypocrea Fr.

Tubercularia Mich.
3. Hypocrea Fr. Sum. fl. 2 f. 7. D. — Aug. in old bread in bakehouses.
castaneum Hab.

3a. exiberatus Gyll. 4. 637.

25 Apr. under bark of Birch stumps, Westwickham wood Douglas

cyanipennis Nardy
coeruleus Brick?

? obtenuatus Stev.
Anommatus parvicola Wesm.
not bidentate

F. Walker, Southgate
under a plank laid upon the earth: it is supposed to be subterranean
there no eyes.

Aglenus Erich: Sturm

l. brunneus Gyll.
Sturm, v. 20 pl. 37 f.
obsoletus Shuck. pl 33 f. 2.
rufescens Dej.

Erich:

Monotis Dej: Anommatus Shuck.

not mentioned in London under Stress, 2 ed.

254. Ulloma Fries. F. S. 2. 253.

1. comata F. Lat. Gen. Gen. pl. 10. L. 4+5. in pine woods: often in Swedish Sweden.
R.A.T. v. 7. p. 105.

2. Lonicerana Wick. taken in London by Honey.

254b. Mycilobium Fr.

3. Fagi Pg. 61. F. — Curt. B.E. pl. C. 363. May at flesh of a Baker's shop in P.M.R. under the Pavement.
is Heterophaga diaparia Tabb.
Opatroides Dej: Cat. p. 199. Coat. under back.

4. Mauritanica F. Ent. Syst. 1. 113. 15. Col. abund. amongst ashes in London: in a dead cricket: Copenhagen pitfall
infes. Ste amongst Bones with of Ives.

254c. Polyporus Fries.

1. Sulphureus F.

Southernness. Sir W. Jardine

255. Pezizae Ant.

1. Sanguinea Ant. Mus. Ol. Semicinctus Pers. on Mar Cornishe & Sp. Northumb. p. Dr. Johnson on rind of Ulmus scace.
albicans Pg. 29 & omnes Pezizae Ent.
marginatus Lat. Lin. Lin. Ed. Hall on dead branches, E. Yarm. Cum. Dr. Lin.

255b. Helicophaeria Fr.

1. Varians. 2.

2. Ostrea Pers.

256. Sphaeria F. F. S. 2. 2.

1. Cornicularis L. Pg. 2. Lam. fl. 2. 18. c Apt. May Coombe: Burgundy gravel pit Lakenham n: Norwich
Sum. p. Dunfry. Abyss.
rugosa Delp. m. Jul. Sept. Dover, Lambo Hotel, Norwich, Dr. Mr.
Col.

2. Fuciae F. B. 2. 3. Pg. 43. 10. near Yarto, c Apt. gravel pit with Peltidea canina, Cl. Hetchingham Norf. abund. on
Livewort & abt. on Lichen rangiferinus & Lands Sheffield warren abund.
m. May abt. on sandy cliff Southwold, sand hillow: Swansea. Horton n. Brigg, Lincolnsh.

257. Xylaria Hill. Pl. E. 3/4. Sphaeria nat.

1. Hypoxylon L. F. M. 2. Gyll. Lam. 2. 16. Pg. 1. 8. March, 130 under little stones, Broadgate Park n: Leicester, J. Bates.
L. F. S. 413. clavicornis L. 604. Fries m. 0. 20. fl. 361. A. Dan. 16. 575. Jan Mousehold heath rot roots of Livewort, Beckhamwell, Nor.
hirtionis Lat. Delp. m. Apr. Crowdyn Burnas & Eaton com: May Blackheath under a Sedum n: Deal abund.
June Hampstead, Crosby a Fordy, n: Liverpool, R. Wood.
21 Feb. J. in gravel pits Dover n: Hertford

258. Boletophagus F. Ill. P. E. 3. 6. Gyll. 2. 600. Sphaeria nat.

1. Agaricola Lat. F.
2. Agaricola Pl. Lam. Pg. 3. 9.
Fuliginosus Fries.

May Boleti of oaks: in Boleti on Pollard elm Cossey near J. C. Kensington Gall.
June Agaric of willow Buckham: May rotten elms, Richmond Park.
Boleti, Shirns: Forest.
Larva in Boletus of willow, eating passages

259. Phalaria Lat.

1. Cadaverina F.
Bivida

June sandy places: Letheringsett, Norf. J. Burnell.

m. Sept. under seaweeds n: Sandownbay Isle of Wt. S. C.

259b. Alphitobius Ill. S. 12 (1832) Blaptinus Meg: Dej.

1. Diaperinus Dav: Ne 16 pl. 24 f.
Populi Meg.

bred from flour by A. N. T. in decayed floor of a Malt house, abunc. Camb: Bat.

B. Merkami Stef

B. obsoletum, Berkeis Mss. 475.2.

in Sept.

reticulata L.
crenata F.
gibbus Pg.

Breaking in a large Boletus in Black forest 8 miles f.m. Kanwick
Dec. 53, I had a galine

260 Cryptocius Lat.

quinquecinctus Lat. Pk

glaber Lat. glabra F. Fg. 50.1.

Platycillus Fg. 36.1. niger Lat.

Hypnus ♀

261 Diaperis Lat. Fab. [illegible] Cyl. 2. 504.

boleti L. Linn. Sp. 38. Don. 3. 38. 142.

on May under bark on Beech trees in profusion near Barham Lane

Hypnus ?

[illegible] Fg. 3. 19.

Dytiscoides Kirby

[illegible] Fa. 7 Fg. 8.1.

[illegible] metallicus F.

[illegible]

under bark of trees, Kingsdown & Ash Dec. 1.

June & July flies, hedges, under bark of trees Kensington gardens

July & Aug. in decayed Elm at Leeds, in a Hornbeam at Dover Castle, Belfast

under rotten bark of a Lime Branch in abundance at the Lawn, S.E. Dec.

17 Dec. 5 Quinden 3rd of Elm branch at Stepney, S.E.

262 Lycus Fab. Lat. L. 2. Cyl.

[illegible] quadricornis Lat. Pk

[illegible] sanguineus Fg. 2.3

[illegible]

[illegible] Lat. L. 2. Cyl.

3 roots of trees, under grass on the [illegible] under bark

3 June flies Brent, under bark of willows

Lyt. roots of trees Rotherwood

[illegible] under grass & roots of trees

[illegible] Lyt. roots of grass Lion Tollemache, Barmouth N.W. Wales & Tenby Rev. R. Burnie.

[illegible] F. Fg. 50. 2. Chaf. 18, 37 & 3.

[illegible] Lyt. Pk

June under bark of trees Sevenoaks Common, Kent.

[illegible] the bark of old pines, Chatham.

April May & Aug. under bark in houses & sandy [illegible] Norwich & Lyt.

June Lyt.

[illegible] destroy. a window-frame at Yarm. In old oak & willow trees, Ina Lifford

Porthcox-common Mrs. H. Grierbach Lyt. out of a tree

[illegible] Lat. Fab. Lat. Pk.

[illegible] Fg. 96.1.

June & July flies Brent

6. Nov. in multitudes under bricks in outhouses & in stables Norwich. [illegible]

[illegible] Lat. Fab. Lat. Pk.

[illegible] Fg. 2.3.

[illegible]

Lyt. in chamber ceiling, kitchen [illegible]

[illegible] in a back cupboard at Sandwich

[illegible]

May Lawn in a cottage Ch. Devon. Dr. 9. 1. 2. 99 fl. 11 fl. [illegible]

264 Mecinopus Fab. Lat. L. 2. 53. Cyl. 2. 533.

[illegible] caradoniae L.

[illegible] senata Fg. 9.3.

[illegible] canaliculatus Lat. [illegible] Pk. Fg. 9.2.

Mar. & June Settle: in the mining Commons. Coxwold Yorkshire

Apl. & May under bark of decaying trees: on [illegible] willows, Battersea

on trunks of trees near Brent, on rocking meadows Kew, Pl. & Sporting eggs in the nest of Melitotoma marillosa?

in June, 23, Fly Dr. Brockenhurst, Bentley

May under a bolete Dr. Rev. Matthews.

263 Hypotorasus Lat.

[illegible] capulatus Cyl. Larva Lat. Dan. 1. 9. pl. 5. f. 2.

numerosus Fg. 85.5.

Mycetophila Cyl. 2. 541.

June bolete Combe, Stowe, Kensington gardens, trunks of trees S.E.

old Oak trees, Shirenhanger

Larva lives in wood, one specimen in apple and in Lime trees under bark, Dale.

unistriata. Hofs: Ill. F. 38. — In rotten oaks D. Nevill.

262. Pytho 3
depressus L. — under bark of fir-tree, Black forest, Loch Rannoch, R. Heaven.

263. Emophilus micy. Curt B. E. 622.
1. Armeria Curt. — 20 June on Thrift flowers Cresil Bank & June under stones S. E. D.
Aug at Wyke nr. Weymouth, W. W. S.
1 June in abund: running over & up the stems of the Thrift on the sandy spots tow^d Grey Isle of Portland, they flew short distances & were upon various other plants & on the pebbles scrambling along after the females, one of which had distended abdomen.

Gryy : Ne. Blyss Mare.

1. Nigra Dry.
ster P. OC. Pg. 50. 3. Gyme Mag. 2. tab. ; Lava
atrata Mare: Cat. Fraust. Nfe. 1. fl. 3°.

2 Dit Dissolve Lat: B. 2. Gyr. Gyll.

[illegible] Gyll. 2. 3 [illegible] Pl. f. 2
Lava Cu. Fraust. 8. Ed. f. 2.

[illegible] 223. 4.

[illegible] Gyr. Pk
[illegible] Lumpana Bar.
[illegible] Pl. 3 [illegible] tab. 1. f. 3.
[illegible] Pg. 25. 19.
[illegible] & Cucumani 3. Pg. 34. 8.
[illegible] Pg. 34. 6.

[illegible] L. Sam. fl. 1. f. 6. Pg. 106. 8
Pl. 3. n° 4. f. 6

[illegible] Gyl. 2. 503
[illegible] Pl. 3. n° 4. f. [illegible]
[illegible]
willows Dely.

26 Dorcas
[illegible]
[illegible] 2. 519. 2.

[illegible]
[illegible]

28 Nigricans [illegible] 1. Tricolor
1. Tricolor Pk. P. S. 1. 252. 2.
[illegible] Pg. 11. 3.

Albicans [illegible] Nodulis mas.
[illegible] 493. 18. not of Pal.

3. [illegible] [illegible]
[illegible]

29 [illegible] [illegible]
[illegible]
[illegible]

30 Scabrosus Pk. [illegible]
1. fuscus Gyl.[2] 2. 528.
Lepiota Pk. B
2. flexuosus [illegible] 2. 182
[illegible] Pg. 68. 23.

Apl. off a willow tree, Battersea Ch. Yard. Surrey not of Dec. apple
tree at Hammersmith, Mr. J. Stevens. sev. early in the year: Comb-w.
May hedges & lanes; houses Upminster not uncommon. Old Oak tree, Shirley, fr:
& Some trunks of trees New forest Sol. on willow trees Windsor.
Lava in decayed willow, poplar & apple-tree wood v. elongate & fusca in Spring.

on Sun or Birch Parley Sper: w. Leominster: off oak maple Birch & Dunstan
to Italy
Lava in old Oak tree, Hindlesham & Bonet.
& May Leigh wood w. Bristol. Dow.
Some Dates w. Whitetrees Norf. & London

Some hedges: Beaulieu Forest; Northfield: Dover
Dug on Pine Birch & Forest woods. under bark, New forest. Douglas.

Some some in hedges & underwoods on Hamstead; Ragwort & Ragroses
Lab.

on dry. on [illegible] Norf. & Dover

June July on carrots in kitch. Bottom dry pit Gardens. J. Pitkin
[illegible] on sand hills Fairlawn.
& [illegible] on rugwort & [illegible] Dover cliffs.

[illegible] on sand hills Sandwich
May & June hedges on white thorns & hazels.

17th June Lava fusca Hailes, out of a dead tree, Bordeaux, J. D.
& May, Shirley, under Birch trees, [illegible] very active J. D.
22 June out of the Decayed arm of an Oak tree in Hoden Road Ch. wood
w. Freeman & Irwin Lane w. Allerton Woods. New forest, near Oak.
Dug, in a Beech tree, Windsor Forest, E. Greenwood.

Stephens' Cab.

N. Fossus Dry.

June Decayed stumps of oaks Cound Lane: Colney Hatch: Dorset
[illegible] 15th [illegible] Lane near Flamstead. Other.

Nodulis mas.

June oaks Highgate: grass under trees Scotts gate. Asham bogs Mr. Wright
July, E. M. E. [illegible] in a hole of Dorset Norwich. Hence out a branch of a tree. Ryde Gy. R.
in colony in decayed branch of an Oak, Colney Hatch, E. M. Lawson.

July w. Norwich. In the decayed branch of an Oak, Colney Hatch. b
on an old post running into the holes, Budgenoth
under bark of dead Hornbeam, Hainault forest, Dougl.

2 June on window of a lofted room Gl. Hirst
30 May. 50 J. J.

28th May 52 fly g in Montague Square & w. in the New Road S. E. w.
May be bone [illegible] in June.

6 July under bark of a dead willow side of river w. Paterson; R. Lusick
30 Approached for oak bark used for Dairyock Pk. J. Walker Chester.

nigrita Fab. — in Hope's Coll.

P. lævigata Dell. — Scotland. Fraser.
Nicolor B.
cupreoidea Pk.

Xenopalpus striatus. — in a Warehouse at Leicester, supposed to have come from Charnwood Forest or Loughborough, where it was seen at S. O. Wm Zool. Jol. Mr. Plant.

Sicca, Walk. E. M. L. 83 — Gate.

271. Orchesia Lat: B. S. 197. — Hallomenus Ill. Pk. Epill. modella Mars.

Fruticeto F. Pg. 16. 18. — Ent. Mag: 2. 376 pl. 10 f. 2 la. — Lime abundant moist Boletus trunks of elms Cossey nun. ait.

Boletii Mar. prica Hell.

clavicornis Lat.

2. fasciata Pk. Epil. B. 2. 197. (2. 182) — Lawn in Pst. in Boletus of ash

Entom. Zeit. 1853 pl 3. f 3. O. undulata. — 1 June 24 white Thorns Lyndhurst S. C. D.

2. 2. [illegible]

[illegible] Ol. Pg. 13. 13. — Mar. umbelliferous flowers; White-thorns nun com: Ulcf. in leaves of Viburnum opul.

Batra F. — m. Jul. 6. Bordeau. 6th Bordeau.

[illegible]

3. [illegible] — Mar. umbellate plants com: Ulcf.

[illegible] — June, Sing. bushes, New Forest

[illegible]

[illegible] — 1 June Wrotham

[illegible] Cyl. — Mar. umbellate flowers very com. Ulcf. 8th Mullens Copse

March Furz-bushes.

21 July Mullens Copse. nun

5. [illegible] 292. 15.

[illegible]

[illegible] Pg. 13. 14.

[illegible] — June, Ulcf.

[illegible]

[illegible] 293. 16.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] — m May Ulcf. of Barbary, Viburnum flowers Wilton

[illegible] 292. 13.

[illegible]

[illegible]

[illegible] — Apr: Furz bushes

May White-thorns

12. [illegible]

minor Wk. C.M. 1.83.

New Lanark

273 Mordella L. B. E. 283. Lat. Gyl. 2. 603.

1 aurantiaca L. B. E. 283. Ol. 3 No 64. pl. 1 f. 5. May White thorns & umbellata
6 June New forest & Southampton. Putney heath. 15th Brierly w. Leominster on umbellifers & in a wheat field. Harrietsham.

2 sanguinolenta Gyl. 2. 605. 2. Lat.
m. Jul. Bungay Suff. & Swansea. Flowers in woods, Bordean. Ryde.
10 June Langhorne Lowther

3 scutellata L. Ol. pl. 1. f. 1.
Sept Oct. Larva in filth of Schmeria vulgaris. Gyll. Reitz. Cuto p. 46
May Lessons of Crataegus & White-thorns.
June & Swansea. 19th Blackdown sands. Barton.
m. Jul Bungay, Suff.

4 venustula L. Gyl.
vulgaris Mus
10 June Blackwell sands, Devon: Castworth Sussex, Lt & Butley. Harrietsham

5 [illegible] Gyl. 2. 612.3.
m. July Hatfield Moor Yorksh. J. E. D. Cameron

5a [illegible] Gyl. 2. 611.8.

6 marginata L. Gyl.
minor Lin. lateralis Ol. pl. 1 f. 8.
[illegible] L. 13.15.
May White thorns Hoy. Sanc. Bassett. Sept & July
June

7 sanguinea Mus 490.7.
crucuea Mus var 490.6.
May White thorns, Swansea
June
12 July out of Bramble berries

8 fasciata L. Ol. pl. 1 f. 2. Sam. pl. 4 f. 8.
June New forest among dung & decayed leaves. Flies about oaks. Ryde July
Feeds on the Dead S. E. D. Dead in stumps of trees, where they lived. New Forest S. B. D.
Larva in stumps of dead Pollan. Cut Worthy Esqr

9a Rhipiphorus Fab. [illegible]
Metacus
[illegible] L. 26.24 8.
[illegible] L. 90.3.
May Wasps nests Southgate; Coney Park Gl. Worlton. Kilburster, Surrey
& Wasps are entirely in nests of Vespa vulg.
Sept: wall-top, Barnton Park, on Pollan. and Sept on wasps' nests Lordly & Rotiya.

R. [illegible] Fam. [illegible] Swedenborg: Linnaeus
[illegible] Spry pl. 5 f. 1. Lep.
Platypus Fam.

9b Stylops L. [illegible] Pacydales P.
[illegible] L. Ol. 13. n° 2 6. pl. 2 f. 10. Dan. 1.358. [illegible] in a nest of Anthophora hirsuta
[illegible] & R cervicornis. Fondness are wasp & Ellwen Kent: under a water butt
Colson, out Sunall of garden, Hammersmith, Stev.

9c Elenera [illegible]
Podagrania L.
[illegible] L. Don. 10. 358. 2. Pl. 3. n° 6. pl. 2.
[illegible]
Sept. gd sugar at night, Farlow.
M. Oct. sucking the Ivy flowers in the night at Newton Valence, Nutt & Mitchell
5th to 10th Sept. Clapham, & Norbury Park, Surrey Mr Wattson, Geo Lowe, Camb & Sewell
roots of apple trees in accumulus frames S. E. D. Bungay Suff. Fly 5 to light at Candlay 11th June & on Dale's window

2 [illegible] Don. 16. pl. 558. Sam. 1 f. 18.
crassicornis Fab.
clavipes Gyl.
flavipes Ol.
29 May to m. Jul very abundant Down Castle.
m. Aug: com: in flowers of Convolvulus major & at Sandwich: on umbellata
syngenesia & bramble flowers.

3 marginata
[illegible]
[illegible] L. 36.12 8.
subulata Ol.
In Navalli's Cat.

[illegible] Mogeolen Sc.
[illegible] Don. 360. 6. Gyl.
6 June grassy places every where to m. Aug.

5 [illegible] L. Don.
cerulescens Pl. 3. n° 50 pl. 2 f. 17.
chalcomia
May flowers in Chalk pits Kent: White thorns New Forest, Gl & West to m. June
Nov. in a decayed tree sent at Barham S. E.

Guerin found the larva in the dry stems of Euphorbia 10th July. they & the pupa are very active & skip about like fish out of wa
15th July he found a live Mendella in the stalk.
M. pusilla fig. by Schilling (Beytr: zur Entom. 1824) lives in Artemisia vulgaris, and in pith of Marubrium vulgare. Ol. f. 25 f. LXX
2 mies. 03

Tbunnea Fl. Pg. 36. 8.

In nests of Vespa vulgaris only Dr. Sichel's One Sleeping

Q. dispar Duf: Ann. Sc. Cut. 10. 5. is the M. celadonia Ol. f. & nufivallis Ol. f. The larva lives in decaying wood of Oaks

[illegible] Fl. p. 390.	1824 May Flowers of white thorns New Forest in Bristol; Ireland
[illegible]	June Richmond Park & Douglas. White thorns Chiswick.
[illegible] Fl. 24. 18. [illegible]	
[illegible] Ol. T. n. 50. 11 f. 8.	Same Tree on the water side on the Thames, Blackheath, the Humber
[illegible] Lapthorn Eng. Hemb.	July & at the end of June & 1st week in the month of June, Mr Brown: Bristol
[illegible]	New Forest Oxford
[illegible]	
2 [illegible] Fl. [illegible]	
[illegible] Curt. B. 2. fol. 538	May Windsor: white thorns in flower Ascot & wood: Scarborough
[illegible] Schow: Syn. Appf. 3 fol. Curt. [illegible]	May white thorn flowers Worlsen on the green
2 8 [illegible]	
[illegible] Fl. 115. f. 15. [illegible]	June Oak & Birch trees in a cover, and in Beech in a cropped hedge, Mr. [illegible] New Forest not uncommon: Harrietsham, Kent. June Shirley Forest.
[illegible] Fl. 547.	B. Day [illegible] Tree Oak & Birch in Barkland near Barton Day of Mr David: Mr Day of Oldbrook.
[illegible]	Same Cumberland. Lime, in Cat bowler on the Oak, Shirley for. Lawn, perfect Image not, same piece of wood, T. D.
2 9 [illegible] Fl. [illegible] Fab Lat. Syl. C 505.	
[illegible] Fl. 98. 5. Cl.	May Same flowers of white thorns common Hof.
coccinea Don: 2. fol. 56. f. 1.	Leaves under back & Hatter in a block of wood.
2 coccinea [illegible] Curt. fol. 590 g. Fl. [illegible]	May shrubs of Tree New Forest, in the same line.
nubra Don: 11. fol. 383. Delg. Lam. 2. 3.	June Bexley, Birch & Parent woods. Harrietsham, Kent. July
2 8 [illegible] Curt B. 2. 279. [illegible]	Leaves & bract under bark of old & recent tree in many state Lam. 2. 11. 173, 200 Oak & Birch
[illegible] Lea in Lin. Trans. 11. pl. 5. f. 1, 2, 3. Lam. [illegible]	May Apt. feeding on flowers of Hammerlies bellows?
[illegible]	May Hampshire Hatter feed on flowers of Hammerlies bellows?
[illegible]	May Bexley Eggs by side of feather at a tuft of grass, Langham Mr. 47th Apt. Smith. Hy
[illegible] Lea. 7. f. 847. Don. 2. 2.	May Apt. eating the leaves of Holcus mollis L. found on the Heath
[illegible]	
[illegible]	
3 [illegible] Fl. 10. 14. Lea. 7. f. 849.	May Apt. feed leaves of Hampstead Heath L.
	Same woods Hampstead
3 [illegible]	May Apt. on shrubs in a grass land at Park hill, Croydon, Mr. Thompson
[illegible] Lea. 7. f. 122.	May Apt. Epsomette & Dartford.
[illegible]	May Sept.
3 [illegible] Fl. 10. 8. [illegible] Lam. Trans. 11. fol. 659.	Apt. meadows Tavistock: Christchurch Hants: and feed on Blackthorn heath
[illegible]	Mr Ripley: Ropes Pegwell bay, Dover.
	May Windsor forest.
3 [illegible]	
[illegible]	May Margate
[illegible]	Mr. Bot. on [illegible] & in chalk pit & on a grassy bank Ramsgate 2d Apt.
[illegible] Lea. fol. 6. f. 7 & 8.	
3 [illegible] Lea. in L. T. v. 6. f. 5 & 6.	Apt. May: grassy banks Southend, Margate, Ramsgate, Kilburrough
Prod. Nl. L. f. p. 268. & v. 20. 297. fol. 12	May: covering the banks near the sea at Pegwell bay, Mr. Mr. Bennett, abroad
	March, feed on Ranunculus acris & Bandelion, Hempstead. In most of the [illegible]
3 variegatus Don. 2. 67. Lach. in f. 1. 2.	Apt. May Sevenoaks, Margate, Ramsgate, Broadstairs
minatis Sch: Fl. 10. 13.	Margate Mr. Margate Hotel & Mr Ireland under [illegible] wood, & in [illegible]
scabrous Mac.	

26th [illegible]

[illegible] Linn Pg 22.5 g. G.C. 10. 677. J.O.H.
[illegible] F. S.

July 29 on an oak. Windsor forest. J. S. G.
July – in myriads in ~~[illegible]~~ oak planks Pembroke Dock yd.
m. Linn larva & b. Oct. in Italian Oak do.

28th. Hylecœtus Lat. Cuct. Pl. 6. 65 h.

1 dermestoides L.
marci L.
fraxinicidum L?

1st May 1836 Sherwood forest Nottinghamshire; in the part called Birklands wood in Ollerton, flying round an old Birkthee & on a stump; & lies coiling 31st June till again. If flies when warm, away & away

Fam: lays 400 eggs in a globular mass in a cell in the earth: they are elongate & yellow. They hatch in 14 days & inhabit the bodies of wild bees & the blossoms of Ranunculus ficaria. F. M. S. 288 – 289 eggs in Tovey House.
hatched 5th June

[illegible] rehearse in imago, pupa & full grown larva!

281. [illegible] Curt. B.R. 658. — Lychnis Fuc.

[illegible] L. Syll. 2. 488. Stev 93. Don. 15. 534
Fg. 41. 2. Sam. 2. 5. Lib. Mem. Ag. Ang. v. 1. p. 136.
Lawe Naturforscher 23, Stück. fol 1 p. 108

Lychnis [illegible]

[illegible]

June — Avon bridge Mr. Walcott. Morley Place nr. Wimborne St. Giles at Mr. Privet
July — [illegible] on a bank at Lexden by Mr. Meacham
Keeping Ash: abund. nr. Colchester, on the Ash in hedges in 1837
Lilac & Honeysuckle. Ipswich. Suff.

282. Horn[illegible] L. — Anthriscus Syl. 2. 489.

[illegible] Don. 6. 182, Sam. 2. 23. Fg. 28. 8

June on a grassy bank nr. Shotover & Mr. [illegible] fol: comm. nr. Mr. Smith in the Broom & [illegible] & Banks, nr. Thetford.

[illegible]
[illegible] Fg. 31. 1)

S. fol. Ills. Ash Mottle nr. Swanscombe, Mr. Marshall. Sheffield.

283. [illegible] Curt. B.R. 712. — Heracleum Ill. not. Syl. 2.

[illegible] L. Fg. 11. 12.

May stand: under a performance Gloucester, Essex, & Isle of Wight
June on mud of Wash; Pad[illegible] Somerset; Home Moor, Yorksh, Fordham. Norf.
July

[illegible] Syl. 2. 498. 8.

June nr. London

[illegible] Fk. Fg. 31. 15.

Apr. Scotland
13 May on Cuddington Mere Chesh bank
June 168 [illegible]

[illegible]
[illegible] 2. 23. 5.

Apl. on sandhills, not lots viviner repetamente, cum chest bank. Norf.
To
Nov.

[illegible]

[illegible] L.
Cruciarius Ol.

Many flowers in gardens
Being a Trifolium

[illegible] Fg. 14. 8.
Sam. 1. 6. 11, 251.

June nr. London, Devon

[illegible] Fg. 38. 21.

"

[illegible] angustatus Curt. B.R. fol. 714.

nr. Apl. 2 in a rill running from Bleach green Acre

283*. [illegible]
[illegible] Mar. 486. 6

nr. Bolstes [illegible]
Sept. oak tree nr. Dunham, Oxfordsh. Old Oak, Plumstead nr. Ashtor.
12 July 48 bear 6 a Foot of Holland [illegible] nr. Kings [illegible] Apl. and Flowers the Harvest

[illegible] Syl. 2. 500. 10. Fg. 35. 6.

Summer leaves of elm trees & under in an old oak under bark of tree
[illegible] Smithgate.

Imperatoria [illegible]
[illegible] Ol. [illegible] 6.
[illegible] Sam. 4. 487. 6.

July off willows & rabbit wood nr. [illegible] nr. Rackam: lane [illegible] Smithgate:
Oak trees, Downington Park

284. Pimpinella L. Curt. B.R. 626. Storm Deut. v. 12.
[illegible] Fg. 5. 7. Sam. 1. 1. 6.

June hedges Barnet & Birch woods
Spring falling Mar. Suff. Burgh Castle

[illegible] L. Ol. 2. u. 17. fol. 1. f. 6.

Every white flower blossoms: Gomber. S.6.
Lives in soft linden wood, cut a passage, & forms a house case for itself in the Spring: Gomber
June old posts Canons Abbey nr. Monmouth & Bungay Suff. S.6.

humilis?

July Ryde & J.R.
among gravelly sand & under ow-weed, St. Mary's, Scilly Isl. F. Holme

of constrictus B.E. fol. 714?

June under rejectamenta v: Ryde
Aug.

10 tibialis B.E. fol. 714
instabilis? Hoff: not mine. Ann S.E. II, 259.

June v: Ryde
Oct. under rejectamenta v: Ryde & Nethley

[illegible]

[illegible]

[illegible]

raptor

Sine Panietsham, J. F. S.

6. 6. sericeus
hololeucus Haldemann.

Bully com: in an old house in Knightsbead Court, Bentley. Also in Dal
6 Oct. 46 d: Dover St. very troublesome. It nibbles shoes. B. Smith.
Imported with hides from Russia

252/ anthicus antherinus, I have taken here on mud & also at (Podymore alias) Priddimore Somerset -
Thorne Moor Yorks. May, June & July -
I had one as 4-notatus Jr. Matthews but believe it to be ater?
ater under stones. Chesil-bank Portland May 13 & June
fuscus generally taken flying here & Maiden Castle Sept & Oct.
hitoma Mathews. Miss. 1834 Sandwich Kent. W. Mathews -
humilis W. Ryde Isle of W. Mr Rudd -

290. Anobium F. C.B.E. 387.

1 castaneum F. Ol.2 pl.1. f.2.
excavatum Kugel

30 May in a decay'd oak, Gl. West.
June park & other paling & hedges w: Brinsford Kent, Norf. Suff.
July,

2 rufipes F.
cylindricus Marsh
brunneum Ol.2. n°16. pl 2 f 6?

June decay'd oaks & in houses Cornl. w: Norf. Suff. London Plumstead.

3 pertinax L. B.E. 387.
Fagi Hub.
striatum F. Pz. 66.4.

6. Apr. under bark of pollard oak, Bridgenorth: Windsor
May old white-thorns Richmond park

3b denticolle Pz? Brent.

herbage w: Elms, Leicester, Bates.

4 striatum Ol. pl 2 f 7.
punctatus Delj?
pertinax F. - Pz. 66.5. Mus. 32.

May in drains, furniture & books etc. also in plants
June
July in dead ash & living Elm, where the bark was off & the wood dead

4b nitidum Herb.
pertinax Ste.

5. fraxinum L. Pz. 66.6.
tenuicornis Marsh
rubellus Marsh

June in floors of rooms: ship biscuit: black wafer: Cayenne pepper
dried plants & herbaceous in house Norf & London Essex.
carbonized old kid gloves

6 tessellatum F. Pz. 66.3.
pulsator Schal.

June rotten wood, oak lime & willow.
Dec. in wood on an old fort Wilmingham Norf. the Pupa in cell to last
Larva in rotten Poplar wood. Pupa in an elliptic cocoon

7. Abietis F. Pz. 66.7.
Cervis Mar. 84.9.

Cones of pine-trees. In fir paling, Shirley, Douglas.

7a erythrocnemum Lea mss.

8 molle L. Ol. 2. pl. 2 f 8.

on a coat house under a willow Cortesey. destructive to Dwn plants.

June in fir board Hampstead Mr S Smith. In houses, Leicester, frequent, Bates.
16 July w Comm. m. Jul. house Bodmin & 30th

290b Ochina Ziegl. Bruchus Marsh.

1 pteroides Mar. 228.25.
Hedera Germ.

June bred from dead dry branches by Mr F. Smith: Cornwl: New Forest.
Gl. West on an Alder: old ivy trees Barham Kent.

Dryophilus Chev. Gner. Mag. de Zool.
10 anobioides Dej. Ent. Mag. 2.112.
pusillum Gyll.

291 April 33 on the Broom, Cornwl. w: G. T. Rudd
in May, 50, Plumstead wood; in a decay'd & dry broom stump, where it perforates & breeds. S. Stev.

291. Dermestes L. Cart. B.E. 682.

1 tessellatus F.
murinus Ol. 2 n°9. t1 f3b

m. July Dover: on dried sea weed, & in a dead Oyster
Aug. Shoreham

2 murinus L. Don: 15. pl. 515. Sam: pl 1. f. 6.
Catta Pz. 40.11.
nebulosus Delj.

June in dead moles, rats &c in bushes & hedges Hatfield warren, Cornwl.
July Sydenham wood Suff.
Apr.
Larva lives in the same in sandy places: it forms an oval case of silk with hairs & sand to protect itself

3 lardarius L. Cart: pl. 682. Delj. 4 pl 7.

Apr. Kitchens Larders, Museums &c breeds in bacon
May
June

4 vulpinus F.
tessellatus Mar.
murinus Pz. 40.10.

dead in a dry bones often in Norf.

5 lanuginosus Ill. Gyll. — In decayed wood Gyll.
ater Cl. Zu. 9. pl. 2 f. 12?

6. nigripes F. Pz. 97.5. — In Epicharis Cat.
plantaris Cat. B.E.

292 Megatoma Hab. Lat. C.B.E. 246. Cicrinus Ste — Dunmow Ess. — Anthrenus Nob.

1 Serra F. B.E. — 246. B. Cat. Grange Park. — Sure in Colch: under bark of oaks elms, willows: trunks of trees
Cat. Mag. 2. 373. 213 f. 3. — May Kensington gardens & Paling Battersea I.C.
cinnamomeus Nob? — aug. under bark of Oak, Shirenfort.

2 undata L. — Sure Paling Regents Park on elm trees; in houses & on flowers
undulatus L. Pz. 75 13. Nob. — Mar under bark of Birch trees. Old posts Lancaster.
exp. [illegible] on tops of hoptrees when change under bark of trees, eating holes in 7th & under bark of Birch Connor.

293 Attagenus Lat. C.B.E. 247.

1 Pellio L. Dan. 7. pl. 231. f. 3. — Sure old houses, ... elm roots, roofs, Norf. Suff.
lifasciatus Dej. — May house. Wrentham.

2 bifasciatus F. B.E. 247. [illegible] — in Birch trees.

294 Anthrenus Geof. Lac. Anum [illegible]

1 Pimpinellæ F. Ol. — [illegible]

2 Scrophulariæ L. Pz. [illegible] — May [illegible]
[illegible]

3 Museorum L. S.N. var — [illegible]
Verbasci Pz. [illegible]
[illegible]

4 varius F. — Sure [illegible]
museorum [illegible]

5 Verbasci L. N.
varius Pz. [illegible]
[illegible]

295. Trichodes Hbst.

1 hortus F. Pz. [illegible]
fasciatus F.

296 Aspidiphorus Hbst. C.B.E. 250.

1. orbiculatus Gyll. [illegible]
Tiemanni Hbst.

297. Nosodendron Lat. 253. C.B.E. 246. [illegible]

1 fasciculare F. Pz. [illegible]

297b Synealypta Dill.

2 setigera Ill. Anum [illegible]
Gyll. 1. 199. 6.

2 arenaria Ste. [illegible]
cuniculum K.

Larva under loose bark of oaks in Richmond Park, always in company with certain Spiders. It feeds on Ovisci. It changes to a pupa inside of the skin.

8 Nov. 42 bred from the larva drawn. This larva is seized by the cells of Osmia bicornis, & feeds upon the bee bread, upon which I kept one from 20th Sept. 41 to June 1846. J.C.

5 maritima Mar. — 6. Aug: Charlton and pits. P. Castle.

297b. Limnichus Ziegl.
1 sericeus Duft.
fuscus Ste.

297c. Oomorphus Curt. B.E. 347. — Phalacrus Ste. — Marsh under stones Broadgate Parks Leicester; June Norf. J.E. base of Cliffs bel. Dover & St: Margarets Bay & Sfth
28 May w: Southampton: in cows in winter Southgate & Gl West on the bank of Kitchen garden not rare — and Hedford warren, and Common Cragg, J.E.
1 concolor Stur. 55. A.
maritimus Ste.

298 Simplocaria Mar. C. R. G. 335.
2 piceus Ol. v. 2. no 13. pl 2. f 9 Gyll. 1. 200. 8.
Mar. 105. 4
on Crowhurst Barrows, Lewes not rare: n: Bristol & Leicester
Inly Buckhurst
3 semistriata Ill. Curt fol 335.
piceus Mar. 105.
picea Mars 106. 11, 3.
12th May in profusion sides of stones on sand w: grey J. of Pattard, Kensington Gardens: Mr Mitchell Clerkenw: shore of Southampton water.
Lewes: Mr Mitchell Clerkenw: shore of Southampton water.
June fusted fungi in wood do Lewes. Sandy places at roots of grass.
Aug. Brighton Shingle foot.

299. Byrrhus L. 2 Lat. C. R. E. 135.
1 aenius F.
Aug. Rochills — Mr Wilson [illegible] coming to a wall in Cathedral yard

1 varius F. Pz. 32. 3.
sericeus Mar 102. 5.
bicolor Mar.
The roots of trees on a Common near Forest Hill. 24th at Cotton & Manley commons Westerham
Hunter in moss Vicinity of Sidmouth fed on Barbara murali A. & S. 1824. LIX
2 dorsalis F. Pz. 102.
fasciatus Pz. 32. 1.
pavio Pz. 37. 15
Mr Blackburne rare at Kalafar
Hunter Comb quarr Cf. 14
3. fuscus Mar.
Mr Jane Dunstable

4 murinus F. Pz. 35. 1.
undulatus Pz. 37. 12.
Curtis Cf. 6

5 oblongus Stur 132. d.
ater Mar.
Mr Curtis near Cranleigh Surrey
23 June Darkmore

6 fasciatus F. Ol. 2. no 13. 6. pl 1. f 2.
undulata Mar. ferruginea Mars.
ornatus Pz. 24. 1.
Hunter on Viscum eustibetum Dunstable A. & S. 1824. LIX
May quarr just transfd to Cf. 14. Hedges on Viscum eustibetum Dunstable
7 fulvus L. Pz. 2. 3. Mann. 1. 135. Mars. 1. 3
alpinus Mus. Suec
ater Pz. 32. 2.
May Dunstable Comb. under [illegible]
Hunter on moss

8 Dennii C. R. E. 135.
Spring Dr. on a Mark hill Barham Cf.

300 Throscus Lat. C. R. E. 163.
1 dermestoides L. Lat.
adstrictor Pk. Pz. 75. 5.
clavicornis Ol. 2. pl 8. f 85.
Frequent Cf. 158. 5. 6. 7. 8. 9. 10.
June 5 & 6 Mouldsey Cop. Gl West, Sfth.
June Lewes Comb & on willow Cf. 12 & 14 out of Broom, w: Leominster
July on grass w: wood Southgate. Mr Swickham, Dorset: at roots, Mulsey, R. H. 4.
May common birch, Dunstable: J. Mo: Birch-w.
6 June? White thorn Lowers, Richmond Park:
3. Sept off an Oak n: Barham, Open foot of a pollard Oak, Plaistow marsh, A. Cooper.

Orientalia Rar. 8. M. 1. 508 around London.

301. Trachys F. Cat. B. E. v. 15. pl. 686.

1 nana F. Pz. 95. 9. — May June underwood Coombe.

2 minuta L. Dow. 8. 256. Pz. 95. 8 cat. pl. 686. — May Coombe wood, Sth Pagley Spa in Tilbury 16; June Darent wood, Blackham Park wood, Beds on birch & oak trees July Tring Woods & Melton woods Ebring.

3 pygmaea F. Dow. 8. 282. Ol. 2. 24. f. 32. Hum Vers. 42 f. 4. — May in a puddle Jewels Coombe. Combe Hospital in a garden at Asham Richard on Wight Grandville & Hambledon woods, Surrey Lord Stanley F. Smith on Menyanthes trifoliata at Battle Hof. Lov. Brooke

302 Ophonotrichus Lat. Cat. B. E. 262.

1 fusillus Gyll. Insect. Suec. 2. 24 f. 133 marginatus Lea. — Beferstede Esse. Elsfield in moss gravel pits Coombe. Hill Ap 13. Elsfield in a clump of grass near Forest. Mon. Devon. Ab. rough Common Aug. 16.

303 Agrilus Meg. C. B. E. 2. 6.

1 biguttatus L. F. Ol. Pz. 90. 8. Dum. Cat. for 1853. f. 03 Hum Vers. 5. 17. — June, Darent wood Plums on hot days, also on trunks of trees 1. 6.

2 viridis L. Ol. Pz. 90. 1. Lam. 3. 4. Dum. B. E. 6. 1853 pl. 8. 6. 15 Hum Vers. — June Beech root trees Lamer Nonington gardens trunks of birch Mr. Kipping wood Dake Lettsom park roofs 1. 6. Dum. wood Dumer Tabs, Colchester

3 chrysis Meg. B. E. 6. 7. sinuatus Ol. — Sept 16 Mere Forest out of a white thorn at Brockenhurst & Bashamsley on flowers of Hawthorn near Boulogne gravel pits.

4 amethystinus Ol. — June Cambridgeshire

304 Buprestis L. C. B. E. 1. 31.

1. splendens F. Lin. Trans. 8 Ic. 3. f. 2. — Underwoods Road Ex Plumpton

304a Anthaxia Esch.

1 nitidula L. B. E. 31. Pz. 90. 10. — 8. June Mere Forest on white thorn flowers & old Form 1. 6 19 May 7. 1. 18.

2 Salicis F. Dow. 8. 127. Pz. 90. 6. — 3 June on back of an old willow, Col. Dalmeida Common Hemsworth under Lotchings Park.

304b Phaenops Meg.

3 Tarda Gyl. cyanea F. Ol. 4 pl. 125. elytrata Pk. — 3rd June Park Pk. Spindack out of May flowers.

304c Ancylocheira Esch.

4 flavomaculata F. Pz. 22. 9. Mus — Low Lands of Lowerday Poplars, St. George, Tetbo

5. rustica L. Ol. Pz. 88. 4 Mus — at the entrance of the Chapel. Dr. Bromfield of Matlock Bakewell

304d Dicerca Esch.

6. aenea L. Ol. carniolica F. — June at Eltham, Darent, Mr. Hoe.

304e Lampra Meg.

7 rutilans F. Pz. 22. 8 — June at Matlock, Derbyshire

It lives in Thills Beech trees in the Bois de Boulogne & the Cavra inhabits the Beech & oak also. In March Aube found the Cavra mining like Sedyti they pupated 6 May Hatched from 12th to 20th June

302 f. Ptinina Sw.

8. 4-maculata L. Pz. 68. 1.? — Cockermouth in an old post, Dr. Leach
July abundant on flak white-thorns nr. Bordeaux, J.C. & Mr. Turner

305 Melasis Ol. C.B.E. 2. 55. Pal: Gyll.

1 buprestoides L.
flabelliconis F.
Larva Ann. S.E. 1863, 173, pl. 5, f. 1, 2.

1st Apr. in a decaying oak in Norwood nr. Dorwich.
28 Mar. & June thumps of trees Lyndhurst: Windsor: Palings at Blakeney
8th July in a wood nr. Malton on the Suff. J.C. Dead Beech, Sallow, Birch, Alder
Larva in Birch, Guernsey. In recently dead wood of large branches & in old stumps of
Melasis Lat: Ol. Pz.

306 Ceroplytum? Lat. Ceratoplytum Lea.

1 Latreillii Lea
elateroides Lat.
buprestoides Ol. 2. 1-1, f. 1. a-g. & Elater 31. 4. f. 8.
flabelliconis Pz. 3. 9.

5th July off a birch tree in Parley Copse, Dorset. J.C.D. Aug. & New Forest.

307. Microrhagus Esch. Lucanus mas

1 pygmaeus F.

23 June on shaking a Bag of Rubbish a Hammer at Fontainebleau. A. Fremlent

308 Ludius Lat. Steatoderus Esch. Cat. B. 2. 694.

1 ferrugineus L. Sl. Don: 10. 356. 1. Pz. 10. 16

Larva A.S.E. (16) p. 65. n. 2 (1) p.

June nr. Willows Kent, Hamble & Windsor
May Larva young & pupa, in a Hornbeam rotted to mould of branches, Kew

309 Elater L. Steniceras Lat. Ludius Lat.

E. castaneus L. Sl. Pz. 77. 4.

Hooker & Arnott in Ent. of Bot. Soc.
June 16, 34 Franklin Shire, Mr. Maxwell.
Monmouthsh: Rev. C. Kuper, one under stones nr. Tintern.

3 cupreus F. Pz. 77. 2.
chalybeus Sow. & Bart. Illus. Tab. 72. Don. 5. 308

In Shrubsome Park Dorset.
June grassy sides of mountains Cumberland about Ullswater
Leicestershire, about Shirey, Fox.

4 sectiniciornis L. Don: 10. 356. 2. Pz. 77. 1.

4th June on grass roadsides Cumberland & Yorkshire: Leicestershire, Woods around
& nr. June Goldthorne woods, nr. Watton, Wetherby Park, Meadows below
Shirey, Fox.

5 tessellatus L. Sl. 2. 43, f. 22
assimilis Gyl.
nigripes K.
7 metallicus Gyl. 1. 392. 14.
uniguttatus Pz. 61. 5.

May willows, Cartersey & Norf. & Nateswarth Suff: New Forest
6. Jul: grassy places & on Oaks. Shirey, Fox
28 June sang. not: Moor Leicestershire
June Norf. & Brot. Cat. in meadows on banks of Trent at Lenwick, Lincolnshire
after floods at Leicester

15. sanguinicollis Pz. 6. 13
ruficollis Don. 15. 518. 1.

July in the Hawthorn at Drayton Norf. & on Oaks
Oct: stumps of trees, Copenhagen. J.C.D.
June, Oaks, Hainault Forest, J. Harman; Southend.
in Mossing in Dumpy Sphagnum on the Hemp, nr. S.E. Stark
April, foot of an Oak with rot, crawling, Sunnybrook, R.H. Sawson

Anelastes Meg. Elater Fabr.

8 sanguineus L. Don 15. 508. 28. Pz. 5. 3.

e Mag. under bark of Sycamore on left decayed roots of Oaks, New Forest
6. June) abundant, Mr. Coventry, in Sept. Aug. Shirey, Fox, in Birch stumps.
Larva lives 3 years in decayed Rowanwood, Boucher, eggs hatched 30, Larva 5 Apr. J.C.D.

9 nigripennis Hoff. Sam. 3. 6.

June Highgate, in a garden Brixton hill, Dorg.
Nov: a pair in a decayed tree at Barham, J.C.
Aug. Shirey, Fox, in Birch stumps.

10 equiseticum F. Ol. Pz. 5. 12

6. June wood & Kent, at Lyndhurst, nr. Christchurch, Salisbury, Hainault
3 July on Oaks, Alders & Brambles, Mr. Parley Copse Dorset, J.C.D.
16. Mar: under a turf Potters heath, Mr. Dyer & Cat. Wanstead, Bewley in my.

11 semiruber Hoff.

Winter, Rashills, in decayed Birch-trees.

12 Pomona Hoff.

June, Devon. Hainault Forest, J. Harman

13 ferrugatus F. Pz. 93. 8

June New Forest & Devon. Hainault Forest on Oaks.
19 May J.C.D.

Elateridæ. Vide Latreilles arrangemt in Ann: Soc: Ent. v 3 p. & Revue Entom: v 3 & 6

wood, Lancaster, N. W. Bates.
Ang: Chien: for: flyt, also not of Birch & Oak branches. T. D. Very active & flies well in the sunshine, W. Priest.
Chestnut & Alder from 1 to 2 inches deep. Flies at the mouth. Remains a pupa for 10 days: the beetles first hatched on March: Pennsylv. A. S. 2 Dec. v 5, p. 521

[illegible] P. N. 6 Sent here Decm 7. Leach.

[illegible] Dow. Ent. p. 326 7th March. Sent Dr Scoyen wood, Windsor Forest. T. D.

Decatus Leigler Found in Jerseys birch tree at Birkland w. Chestnut Mr T. Desvoiques
May 20 P. G. 52
Same on Hazel w. Frainicemen S. C. D.
When shut up in a box, one ate into the intestines of a Gryllus & part of a Leptis
Laboulbene in Ann. S. E. 2 series. 6. XXXVII

[illegible] wholly [illegible] [illegible] [illegible]

16 calceatus L. OL. Pg. 93. 9.	April, rotten oaks, Leicester, Bradgate park; Bates. 10th pk. 34 on rotten birch & fir stumps. Mar. Rachills: Oaks, willows & hedges Coombe & Barnet. Hunstanton. May E6 Leighton & Bristol S.E.D. Wrabness, Sparshall. July & Aug. Shirley, Sp. on birch stumps.
22 bipustulatus L. OL. Pg. 76. 10	June Bangor Sup. plants vides of St Helens, Southgate; Windsor; Apr. May Trees Forest; Gt West. abt in moss Madingley, Camb. T.H.W. 30th on dead Oak S.E. Nov. decay. Helens, Pokes, heath, under bark. Aug. in Beech stumps, Shirley, Sp.
21 ustulatus Pk. Gyll	6. June Trees Forest; S.E. Isle of W; S.E.D. 18 May S. Cambridge of Whitlethorn

Luciomius Csch:

21b nigrinus Pack. 3.32. 44, Cant in Pg & Lu 3 M. f. 9. in f. 2 f. is not any Linnaeus. subrugosus Ste. 3.255. is his Ms. name for my C. alternatus, n. 23. gagates Cant in Pg & L.	26 June. Deden Barn Newman Cat. May. 1. 54. Bred by C. Griesbach.
16 uniatus L.	May, Trees Rad. Melton Park, Ipswich. Gt West. Shirley, Sp.
nigro-aeneus Mac.	
angustatus Sch	
C. serraticornis Pk. Gyll	June Tallaney: underwoods Bristol, Miller.
	June Wrotham.
	Aug. Shirley, Sp.
	June after Fisher's Entomologia: observed.
18 Bructeri F. Pg. 32. 13.	
aeneo-niger Deg.	
minutus Pk.	
5 cylindricus Gyl:	June Kings Wood
obsoletus Mac?	April numbers of Ps cunea & g. incl. bated at w. Yarm on the sides of the Tees Mg
nigripes Gyll g.?	
Cardiophorus Csch. Aplotarsus Ste.	
19 rufipes F. Pg. 95. 14.	June wood Bangor, W.S. Esper: & Rife Barns Ambleside
vitalis K.	
Lucens OL?	
20 testaceus F. in L.	6. June w. Lyndhurst; Whitlethorn Ambleside: Bristol. 10 June, hunting in a meadow, on banks of Brent R. Cuaith, & Wollaston, not abundant in evening
20b obscopterus Ste.	
22 thoracicus F. Gyll. in C.	June Leyden Park.
23 ruficollis L. Sl 2.26. 16. Harmes Pan. 2 f.	June wood
24 Equiseti Gyll. g alex n. 8	17 May sandy, Chaves, Thetford warren, abund. under stones in short grass at Twiel Bank, S. of Portland. Crowndale Burrows, Tilw.
fulvus Pk.	June, underwood Bickham.
cordiger K.	6. Feb. Prof. L.B.
Cetonius Csch:	
23 aterrimus L. (Cant. Pg. 6. 6 f. 2) F.S.726 Cant Pg & L. 3 Nor. f. 12. fl. 2 f.	Chudleigh. C. Griesbach. Is not British.
24 maritimus Cant. Linn. Trans. Vol. 5. 28 Pg & L. 3 N. f. 15, fl. 2. f. 5.	20 June 27 under vegetation Brampton, Lancash. Rachills, Mr. Little & Esper. Skildaw.
Lepidotus Meg:	
25 holosericeus F. SL 2.23. f. 39. K. 2.35, 217, fl. 3. f. 31.	27 Apr under stones near Sea Cove, Ilfracombe. May Bot. Rich Hill Coombe. Jul.
undulatus Hub	

Weybridge; S. C.

19b schroptenus Fr

19c Lucanus Olivi

Bank of Fir-trees, Leicester, Bates.

41b formosus Curt. Ann. Nat. Hist. 1840. v 5 p. 278
ornatus Dej. Cat.
Tr. E. S. v 3 p 15 pl 2 f 6.

Given to me by Mr Simmons: it was taken from the roots of some celery in a cottage garden 1/2 mile from Wentworth house Yorksh:

cothurnatus Curt. Tr. E. S. v 3 p. 16, pl. 2 f 7.

Windsor: a pair, C. Griesbach.

gagates Curt. Tr. E. S. N. S. v 3 p 13 pl. 2. f 2
alternatus Curt Tr. E. 6 Ol.

Windsor, C. Griesbach

Agyrtes Fab.

26. marinus L. Ol. 2. 12. f. 9. R.A. 3.5, 217, pl. I f. 32. Lawr. f. 40 — 27 Apr. under stones w. g. sea Cardiffe & sandy places Norf. in May Walton common, abund. in pathways in Wheatfields in sunshine. July on Lolium perenne. Dam. Eng. on a Barley-ear, w. Guildford. rest. set. of an Cake at Brice's sor., J. H. Griesbach. Melanotus Lawr. & Beetle in the nitrous soil back back the wood dry and & partly in pond-water fly-paper on Eng. & hotel. 27 & 30 Aug. in France. Blison. R.A. 3.5 f. 5 pl. 2 no. 1 f. 2.

Melanotus Esch. — [illegible] Reg.

27 fulvipes Scop. — R.A. 3.5. 218, pl. I f. 33. Lawr. f. 39 — Jun. fields & grass, leaves Norf. Glenwood & New Forest. Kirby found dead Walnut-tree, at Kilham. Eustace in Museum, Kew.
castaneipes Mar.
rugosus Mar. var. obscurus F.

Lawr. lives & gnawing off with mouth and dismes a fuller stream in water. Double in way, & then Fishes N. R. Bates & Forsett

Serica Esch. — Scarabaeus Lin.

28 fugax F. Gyl. — 18 May, 2 June, [illegible] a pair of [illegible] Stones New forest. 18 (31) 23 (33) on Fern, Scotter common, Lincolnsh. Wollaston.

29 Brunnea L. Ol. 2. 23 f. 22 — Lincoln: underwood Rod Frank, Ingham. 25 June upon May flowers Cardiffe, side of Mountain & Lewick. 6 June on grass on Mount[illegible] w. Hy-head Sunk?

29b. fulvicollis Ste.

Agriotes Esch.

30 obscurus L. Syst. Nat. Dan: 3. 4 Gyl. R.A. 3.5. 186 Ol. 2. 17 pl. 3 f. 34 variabilis Duft. Lacerus Pk. ~~ulmi Gyl. lanuginosus~~ — Jun. in [illegible] Apr. [illegible] Spring. June oats & gravelly fields, abund. in sainfoin, [illegible] flood. Larva destructive to Sarad plants, [illegible] Bedfordshire, Lettuce, Dollar. [illegible]

31 obscurus L. — R.A. 3.5. 187, pl. I f. 35. variabilis F. obtusus Duft. — [illegible] Thus in the Wimborne [illegible] by the Road. Set in pot with Wimborne.

32 lineatus L. Syst. 80 — R.A. 3.5, 187, pl. II f. 20. striatus Fg. 13. 13. segetis Bick. Gyl. — 20 Aug. under stones near the pen Cardiffe. Lettuce & Ste. [illegible] worm. 8 May, [illegible] a [illegible] set. [illegible] in Ayrshire & Hedger Kent. Set in pot with Wimborne.

Hypolithus Esch. — crypt. Ochr. Esch.

33. agricola Fab. Dan.? quadrum Gyl. 4-pustulata Ste — Radcliffe; banks of the Irwell. w. Peterborough. [illegible] under a stone w. [illegible] Stone at Burrow Lancas. w. Strangeton.

34. 4-pustulatus F. Dan. 16. 525. Gyl. Ellis. — June 6, [illegible] field & lower fields Norf. 6 Mar. 8, beneath bark of alders, [illegible] & under stones, Devon, Mr. Meade.

35 dermestoides Hub. 3-maculatus F. — Radcliffe; banks of the Irwell. 2 June, under a stone w. of sea shore Cumber. Lancas.

36. fulchellus L.

37 minutissimus Gyl. — 185[illegible] Gorton, Manchester.

38. vitarius F. cinereus Mar. Litoreus Herb. — June Norf. Bristol. Mr. Ulverstone, Scott. 25 July under stones, Grangeton, S.L. Val. Ambleside. In hundreds Dec. Hooks round stumps of willows in Bristol, would probably the same fides. H. W. Bates.

Selatosomus Ste.

39 aeneus L. Ol. Sam. R. III. Tab 26. Sam. 3 f. impressus Mar. Dan. 15. 535. 1 f. 2. 8 cyaneus Mar. germanus Ol. — Apr. under stones in sand hills & on heaths, Brownsea Isle Poole Harbour. May Parley & Christchurch heath, Tarnworth Down w. Plant[illegible] June & Aug. Thrown, [illegible] on Birch. 30 June, 25, King's Park, Edinburg, S.L.D. Parley, Plantat[illegible] w. Fakenham abund.

40. aeneus L. — Rosner pl. 6 f. 10

Larvæ under stones, & c. Roots of moss, Gombey, with the exuvia of Pupæ & ye beetle, not uncom. S. O. N. Mod. Cl. 1, 237.

Pterinus Step. 3. 252. but not of Linn. nor Fyll.

Pterinus tuberculatus Pteroin Fool Linn. L. 524. B. 8 p. 1342 & 1343 on authority of the Dewsgate specimen one of Pellonius specimens

St. is not uncommon Linn. F. S. 743 as Linnæus states.

June 27 8 ♀ meadows nr. Twickenham Pelonius Nat. Deal.

July 23; 28 13 ♀ on a Rush Sandown nr. F. Marshall. (Deal)

Trachelus Esch:

T. bimaculatus F. Pg. 76. 9.

May, underwood, Darent wood. Ingham

1.

test

1. Cicindela

Cychrus

Carabus

5

Helobia

10

Pozonophorus

Blethisa

15 Elaphrus

Notiophilus

Badister

20.

Loricera

Blemus

Trechus

25

List of Geodephaga observed near Belfast.

1. Cicindela campestris. I am told has been seen.
Elytrus rostratus
Carabus arvensis. rare on heaths
nitens. I have seen 3 spec^ns taken near B.
5 catenulatus
nemoralis. III.
granulatus F.
glabratus. mountains rare.
Helobia brevicollis.
10 Aethiops. ? St. wet hilly grounds.
Pogonophorus fuloibarbis
— brunneus
spinilabris ?
Blethusia multipunctata. once taken.
15 Elaphrus cupreus
riparius
Notiophilus aquaticus
biguttatus.
Badister bipustulatus. B. lacertosus Knoch.
20. humeralis & J. Trimorphus scapularis Steph.
(once taken
Loricera anea.
Blemus haliadosus
rubens. vix huius generis
Trechus fulvus. EB.
25 sutenalis.
ruficollis.

Ophonus fuscescens
juncticollis
Harpalus ruficonis
30 dentatus
aneus.
rubripes Gyll. var D ?
rufimanus EB. tardus III.
var ? nigro fuscus subtus dilutius, antennis ore et pedibus ferrugineis
35 Anchomenus prasinus
oblongus
albipes
Sphodrus subcyaneus.
Stomis pumicatus
40 Platysma nigra
Abax striola
Anguior vernalis
niger antennis et pedibus fuscis thorace postice utrinque bistriato; elytris profundius crenato sulcatis
erythropus
45 anthracinus.
Omaseus Buloerii. O. ornomus of Irish cabinets.
melanarius
rufifemoratus Steph.
nigrita
50 anthracinus St ? at vix Illigeri

Steropus madidus.
Poecilus · cupreus.
· hypofemoratus. St.
· versicolor.
55 · rutilans. M. form of sculpture of the last the colour viird silky green, thighs rufous.
Chlaenia nigricornis.
Calathus frigidus F
melanocephalus.
piceus.
60 Synuchus vivalis
Agonum marginatum
parumpunctatum. Gyll.
viduum?
Afrum?
65 Simpsoni
picipes
rotundatum Payk.
Oodes helopioides. I believe once taken:
70 Bradytus piceus F
apricarius
Amara crassa
eurynota
familiaris
75 vulgaris

4 ra communis.

tribulis Mihi: "A. piceo ferruginea antenne
" et pedibus dilutioribus, supra aenea thoraci
" latissimo, baseos foveolis utrinque 2 punctatis,
" elytris crenato striatis foveolis margi=
" nalibus medio remotioribus.
" A. crassa non dissimilis colore; at thora=
" alter constructus elytris latior, caput
" minus reticulum linea transversa frontis
" obsoleta; elytrorum foveola marginalis
" serie continua, statura minor, et color
" magis nitidus."

A. ferrea?

A. tibialis Gyll?

80 Bembidion striatum

bipunctatum.

Thoïcus assimilis

celer

pulchellus?

85 Lophia boris.

Peryphanes rupestris L.

littoralis. Oliv.

fuscipes. M. P. niger nitidus supra violaceus
" elytris piceis ~~ut~~ rufo bimaculatis et
" violaceo micantibus, antennis basi et
" pedibus fusco ferrugineis.

6 Lithuania
2
2
5
1

Peryphus viridaeneus. St.

90 Leia ..

..

fusilla? Tachys fusillus. Steph.

..

Oxys currens.?

95 Bromia meridionalis

4-maculata

melanocephala

linearis

Cliivina arenaria

100. Dyschirius gibbus

analius St. synonymous with D. nitidus?

726. E. atrimanus. Coal black, thorax opake punctate, elytra striated. Inhabit Oregon.
Lyi moderate. Body entirely coal-black. Thorax roughish. Elytra deeply striated, the cavities as it were crenulated
The specimen named E. atrimanus in the Linnean Cab.t is only the E. murinus
the label has a larger punctulation in it showing that some other Insect had originally been there & leads me to fear that either by ignorance or design the authentic specimen has disappeared. J. C. Fab.r 7 Feb.y 1844

Ctenomyelus Ste. Syn. Olus

45 cylindrus Leach — Bristol. Woollaston, Tintern Abbey, in abund.
pilosus F.?
hirsutus Ste.

Athous Esch.

Abrupus De G. 2. Pb. pl. 5. f. 18. — m. June. on Oaks at Birkland nr. Ollerton, Dr. Lovett
pubescens Marsh. — July. decayed trees. New Forest. In decayed oak branches Shirley.
Bydderi Wilk. — Chalcoeus Olis. 2. 30. 31. pl. 2. f. 16.

47 niger L. Ol. 2. 16. 165. — R. A. T. 5. 219. pl. I. f. 35. — May hedges & cf. cornfields, meadows
Hirtus Herb.
atrimanus F. Lat. & Dej. say, Olivier & Illiger — June. July. Oak woods & Ch. & Ash. Sussex. Lives 2 years in rotten Hornbeam almost hollow with Beech

48 nigrinus Mar. — May hedges & Marsh. 22 June Langford

50 rufipennis Gyl. — R. A. T. 5. 188. pl. I. f. 12. — Apr. to Aug. old in Corn fields, on the Alps, commons, pastures
spectator Ol. 2. 51. — May. hedges, on Oaks
Lamourhoedalis F. — 6 June, Apr. old. hedges & Banks.

51 elongatus Mar. 385. 25.

53 cul-fuscus Gyl. — New forest. Dan. T. in wood, Leicester, com. Bates, May. over hazel in
linearis Pk. — old grassy places.

54 vittatus F. Pz. 38. 6. — Mr. Sol. Morton Wood. S. L.
marginatus Ol. — June hedges. New Forest. Lenwood, Leicester, com. Ab. on the dung fences
~~lateralis Mar.~~ — m. Sol. Dover. In Birch & Oak, Shirley, Surr.
13 May not uncommon old Grounds, nr. Wilton.

54b angularis Ste.
auritus Schr.?

55 longicollis F. Ol. 2. 48, f. 81. R. A. 5. 224. pl. I. f. 38. — May hedges, grassy & woody places, cornfields.
marginatus Pk. D. m. 15. 518. 2.? — 6 June. 20 grassy places nr. Langford 20 2 on the house Oliver
nucolor Mar. B. lateralis Mar. — m. July 6 woods, places Bodham, Sussex. Mr. Schmidt. Ab. on Flowers hedges x
Gl. Mr. Wolverhampton Park. nr. Birr
Brit. Ag. Ch. Sussex specie of Lance

Dolopius Esch.

55 marginatus L. — R. A. T. 5. 220. pl. I. f. 36. — 2. June Surrey, New forest, Gl. Kent & Middle. Ol. Ex. J. G. D. with Flower & grass
suturalis Mar. Fabres Mar. Dm. 5. 8. 2. — June. Oak & Alders Sent. Lancashire.
lateralis Ol. t. 8. f. 280. Fabricius Pz. 77. 9.? — July. wood Brown

Adrastus Esch.

56 limbatus F. 2. 2. minutus Ol. 2. 26. 7. 95. — Mr. Alders. Ch. Gal.
nitidulus Mar. fusillus Neb. — 8. Apr. Gl. Mr. Wolv. S. L. D.
57 acuminatus Ste. nov.? R. A. T. 5. 224. — 30 June nr. Guildford
in woods, hedges, cornfields.

310 Cerylon Fri.

1 linearis L. nesonchus Lp. Pz. 7. 6
variabilis Dej. dispar Pk.
histeroides Mar. Pz. 8. 11. bicolor F.
2 deutrollis ??

1 June off oak Darnton. Gl. Mr. Wolv. Elephant Park wood, Sussex. Dr. Lubbock.
May. Heads of wood. Bodham Wood. Mr. Kirkham. Hawnt. Forest.
6 Aug. off an Oak.
m. in Mr. Matthew's Gal. Gl. nr. Wolv.

311. Dasillus Lat. C. B. C. 216. Alopa Pk.

1 cuneiformis L. C. B. C. Pk. Ol. 3. t. 1. f. 2.
cuneatus Mar. F. Dom. 3. 78. 3 &c.

6 June in abund. flying over the grassy hills Biggleswick & at Dover abund. on May flowers & various plants Ambleside, Alders & Brambles
29 May 3 at roots of Orchis ustulata in Kent. A. Matthews.
6 July Bodham hanger

On the mountains Alps. A. Gautier, always finds them on Gentiana lutea in plenty

Larva & pupa also, T. D. in Eul. p. 188. Leon Dufour Ann. des Sc. Nat. July 1840. & pl. Larvæ carnivorous.

58 iaculoides Nav. E.M. 1. 509.

m. Jul. Bordeau. Elder, Ramsgate.

fields around Guildford &c.

312 Elodes Lat. B. E. 602. Cyphon Pk. F. Gal.

1 melanurus F. — Isle of Wight. White Thorns & Ambleside. Sam: 20th Corner Lang
pallida Mac. — July Glengariff.
Aug. Alder Lyndhurst.
18 May Mallet's Copse. 30th Cosmore gardy, among.

2 Latus Fy. S. S. — June out of an oak Lyndhurst

2a assimilis Ste

3 Lividus F. — Mac. Coombe.
mollis Mac — June Shoots hill on leaves of willow & alder Dillw.
testaceus Ste var? Cand. Dn Fy. S. 75 — 25 May n: Holwood
3b obscurus Ste. — w. London

4 marginatus F.
similis Fy. 24. 15. — June Ullswater Ambleside. Leeds
Mac. Newton woods, Penlingcare, Devon.
6 May Broadlees wood near Inglesport. n. Holwood

5 fuliginosus F.
dorsalis Mac. — May Reed. & Alders Cumbria every w. Line. Pollsbury
10 May mother Holwood

6 crinosus F. — constatus Pk — Radius: common
nigricans Mac.
concinnus Mac. — June meadows Ambleside. 16 June St Cosmore Lang, about
10 May Cosmore Lang.

8 Pad. L.
discolor Fy. Syst. 8 — Hard & w. London common.

8b alni Ste — w. London

8c ochraceus Ste — Ripley Ste
w. Sidy, Canning.

8d minutus Ste — w. St Leonards

9 angulosus Mac. Ill. Ste — June rare in wood. Kent.

10 dubius Mac. — June rare in wood. Kent.

313. Cistelides Ste. Scraptia Lat. Cy. Leon Pk. F. — Elodes Lat. Syst.
hemiphaericus L. Fy. 96. ?
fusca Dej. — June on Hampshire hybiata & aquatic plants w. Dillwyn & Sprado
Aug. Canning

2 hallocerus Ste
testaceus Lea

3. elongatoides Ste. antennis serratis — Hooker & Newstead
fuliginosus Mac.

314 Lycus F. B. E. 263. Dictyopterus Lat.
1 minutus F. B. E. 31. Fy. 21. 11
fusciatus Mac. Gyll. — June Oakwoods in Aug on a mountain Ashy n: Tunbridge wells, Brand & Kirby more Sept. in a grove by Leiston Camb.

2. festivus Dej. 16. 566. — from Dury's Cab.

12. Pini Cent. B. L. 602.

3/2b. Eulria Lieg:

1 Salustia Lieg:

28 July Scotland & on Larches at Castle Connel, Limerick in abund

June Castle Dean dens upon flowers of — Mr Little

10 & 14 June off dead rushes swept common Zuag v. Gl. Wort. not uncommon 18th 1820 50 & 54

c. June Mus Forest.

Dictyosterna aurora Fab. Pg. 41.10,

Lyprystoferus 3 sanguineus L. Pg. 41.9.

June 50, flew in Berkshire Weaver, in mus. Step.

Lava under bark of Oaks; Cast.

on Pole of Norwich Mus: from Brightwell said took it in a spider's web in a grove in, Laiton, Cambs: in Sept: 1810 I saw this at Norwich

taken by Mr J. Weaver in Little green Park, bet: Compton & Hartleig, from Oak by beating

Lava common, run under bark of dead Oaks, fed on larvae of Bostrichus, Clytus &c. Perrin

315. Lampyris L. Curt. B. E. 698 — June hedges, woods & thickets and Sh. Isl. shining very brilliantly, Hordean wood. 21st July alumi: Cam wood, alumi: Gl. West. near W. Newcastle. 29 June to 11 Nov. I. C. Hunter took 60 Qs one night by a Candle.

1 noctiluca L. Sl. Pz. 41.7. Delj. 4.1, L. 19.20. Lam. 3 f. 12. — b. Larva. They live upon Lin Snails, M. Spiralis: luminous as some battled & Hesiod: luminous. Curt May 6. 1788

Mar 31 Lamp indications of shining, agreeable & Helix formation Spiracum

316 Drilus Ol. Lat. Cochleariformis Miller. Stolius Fab.

1 flavescens Ol. 2 41. F. Pz. 3.8. — June Dacent lane amongst grass

cornutus mas.

vora Miller g

317. Telephorus Delj. B. E. 715. cantharis L. Stewart, L. Vide Kirsons Ann. Soc Ent 1831. v 9. p 386 & 588.

Podabrus Fisch

1 alpinus Pk Gyll. — b. June Dacent w: Bayley wood

mysticatus Mill — in June on hazels w: Ambleside. Knaresboro'. Kamichsham.

20 July Glenquaff. Lea wood, Leicester, Bates.

2 cyaneus Curt. B. E. 715 — 5th 20th June w: oak trees Ambleside: May June tops of oaks, Cumberland

nicolor Ste. — Yorksh. Mr. Lyells Kimmerdy: Gabriel Clough w: Wilmslow. R. Wood

aldermanicus Pz. not of Fab — May in very hot sunny weather at Stickin. P. R. Greville.

3 cantharis Gyl. — June Norf & Ambleside

fusca F. Ol. 2 41. f 1.

4 lusca L. Delj. 4.12 f 5. 15 Lat. f. 6. 1. 2. — May hedges in lanes Norf & Ambleside Hawn flowers

antica Dej. — 6 June frequent on the mere spaces, a very rapacious animal.

Larva & pupa Guerin Magazin 1833 f 108 f 3 & 4 — Very fierce, lives in a hole in a cattle mere dung, eats everything, even little insects

5 obscurus L. f. 11. Gyll. Schal. 16. 8. 2 12 f 12 f 10. 2 848. 5. 1 336 — 11 June in abundance w: white thorn bushes Ambleside

May 9 June at Stickington in woods, R. H. G

7. mali Ste

testaceus Ste

8 nigricans L.

obscurus Mar. L. B. 1. Schal 16. 10. mas — May Norf. Ambleside June

6 discordens L. Mus.

9 illuratus F. Gyll

assimilis var 6 Pk. Lat. f 16. 12. — Lamel. Norf.

9. maculicollis Ste

9. misochenus Ste

10 elongatus Ill. Gyll.

nivea Pz. 57.5 — May very hedges, Leicester Bates.

testacea Lat. — June Kamichsham.

Chrysolathar. Mus. Ill. & Abstinens Matthews. Ann. 1. 8. 3 x.

11 rufus L. Gyll — Larva Bat. Trans. (Ill 3 f 3) f 4 5. — May hedges Norf

lividus Pz. 57.3 — June

Larva under & spring at root of grass & decayed wood & burning on fat & fallen. Pz.

12 bicolor F. Pz. 39.18 Schal 16. 15. — June Norf & Ambleside

13. bicinctus L. Ol. 2. 12 f 8. Lam 3 f 4. Schal. 16. 12 — May Hedges, Norf: Knaresboro'

flavus Delj. — June

Larva Pupa Guerin Mag de Zool. 1833 f 12. — July

13. nigricans Ste.

Giavanhills, Ayrsh: & Muchart hills to n^o of the Forth not uncom: R. D. Duncan

e: April. Waterhouse J. It is carnivorous.

13c confinis Ste.

14 Dispar F. Schaf. 16.9. livida Ill rufipes Herb.	
15 Cantianus Ste.	June Darent: Ambleside: Kennesboro' 28 May Cannwood
16 pallucidus F. Schaf. 16.12.	June Ambleside
17 thoracicus Gyl. Ol? 2.11.f.2. fulvicollis Ill. bicolor Herb.	c. June S.B.D. 18 July Whittlesea mere in abund. Mr. Dorning
17b fulvicollis Sahl. affinis Ste. var:	
18 ater Linn S.N. 2.649? ab. F.S. 1.215. Payk. 1.266. Ol. 2.11.f.3. Iridis Mac. mag. Nat Hist. 4.p. 133.	n: Liverpool, at Egremont, taken by P. Rylands Esq:
19 flavilabris Gyl. 337.11. γ dissimilis Mac β nigrina Keil δ ater Step.	m. May Norf. Communis. 29 June Clifton 17th a pair in copula of Gl. West. Thorax of one black on the other tawny etc 18 July Whittlesea mere. grassy meadows Kilburn
20 Ethiops Curt. Ann. N.H. 5 279. pulicarius Ol?	Rachills m. June on rushes & grass, on the side of Red Screes, Ambleside
21 fuscicornis Ol. 2.11.f.4. flaviollis Mac. melanocephala Pz. 39.12. apicalis Curt var.	May hedges & wood sides, Darent, New forest; n: Dover June Harrietsham. July
22 Pistacens L. Pz. 57.4. Ol. pallipes Ste ochropus Ste	May. June Oaks & Betula alba & hedges Norf; New forest. Jul. Rachills
23 pallidus F. Pz. 85.7. Ol. 2.2.f.9. pallipes F. Ol. 2.pl.1.f.5.	May hedges & wood sides: oaks & alders Norf. Witton. 29 June Clifton.
24 lateralis L. F.	May hedges Norf. 18 Jul. Whittlesea mere in abund. Ditches, Langport. 1 June Cowlitte
25 marginatus Ste not of Fab	
26 pilosus Pk.	c. June swept in fir-groves, R.N. Greville, at Stirling 6. July
27 unicolor Curt. Ann N.H. 5. 279. longicornis Ste	flying in the evening in Darent wood S.C.
28 melanurus F. Pz. 85.6	May on umbelliferous & other plants in hedges, on rushes & even at July in Gardens; on wheat-ears in fields Aug
317a Silis May: 1. ruficollis F. Martin t.29.f.11. Aber 11.9. torquatus Gyl?	12 July Horning marshes commonest 1820. On flags, edge of Whittlesea mere May, rare in Norf: white thorn flowers.

2do. aphicalis Lust.

m. June 25 Growthy wood in Wilton

318 Malthinus Lat. — Kiesenw. Linnæa Ent. v. 7 p. 239

1 flaveolus Pk.
flavus Lat.
minimus Mac.
minimus Ol. 2. 41. f. 6 — May hedges & woods, on elder.
3 humeralis Mac. 374. 19 — June Darent. Stirling. July Dover. 8th a pair in cap: Bordeau. May hedges & woods

3b luteolus Ste.

4 fasciatus Ol. 2. 45, f. 2 — in June, white thorns New Forest & Cl. Wootton 6 July on ash at Bordeau.

5 ligaturalus Pk. Gyl.
collaris Lat. ligaturatus Dej. Ol. 2. 42. f. 12.
minima Mac. — in May Lowestoft. 28th Wootton on Bird in May & from rotten Oak branch from Bournemouth. July elder

6 frontalis Mac.
immaculatus K.

7b funiculus Ste

8 ligaturatus L. var. — 20 July Glengarriff
nigricollis K. var. — 6 Aug. about the Kensington garden

10 sanguinicollis Fall? Steph
sanguinolentus Gyl.
minima Linnæ.
11 fulvicollis K.

12 minimus L? Gyl. Ol. 2. 13. f. 15
cognatus Ste
ligaturata Pz. 11. 15.
13 melanocephalus Mac. 374. 18 — July, Alison
aug

14 concolor K.

15 brevicollis Pk. Gyl. 1. 325. 20. — May: Gl Wootton. of bushes, Lulworth. June Growly on Milton S.E. Ramsgate

319 Malachius F. C. H. E. 167.
1 æneus L. Pz. 10. 2. Don: 3. 96. 2. — May hedges leaf & on grass in the sun. Kirby 6. June & 20th on wheat, Mappin. on S. Lawa Ann. Soc. Ent. 1852, p. 591, pl. 15. living in stubble & devour S. Lawa

2. bipustulatus L. Pz. 10. 3. Don. 15. 528. 2. Sam 3. 5. — May hedges & woods leaf: June grassy places. 18th July Tambr: wells S. Bred from stalks of Echium vulgare by Mr. Valot: Ann. Ent. Soc. 1847 p. XXIII. they fed probably on S. Lawa. & of from dock. Sent by F. D. G. to Brit Mus.

2b laticeps Ste

3 viridis F. Ol. 2. 43. f. 14.
elegans F?

4 marginellus F. Ol. 2. 43. f. 18. Geof.
bipunctatus Lat. B. E. 167. 8? — 7 June on flowers on sand: Hatton Lin. Devon: leaf. 6 Aug & off grass on S. Sandwich. 30th Jul. 52 by Ziegler, Dover

June Whitlebury S. C. E. Sandhills, Southport, Hobson. Milton S. C. Knaresbro 30 May near Weller I of Portland

36.

J. immaculatus Hy

Oakthorpe, Leicester, Bates.

They feed upon Fucoids & les plus petites Characeuites

6. sanguinolentus F. Ol. 2. t 3. f 13. — June grass, palings Norwich, Lawn close
18 Jul. Wheathlesca near S.E.D. Hovering on Typha minor.

7. fulicarius Ol. Pz. 10. 2. — Bungay Suff & on palings Fulham

8 ruficollis Pz. 2. 10 not of Fab.
lisfunctatus Fab. var Mag. N.H. 7. 278 f 49.
Ent. Mag. 2. 365.

9 rubricollis Mac. Gyll
ruficollis Ol. 2. t 2. f 9. Fab:
June grass & hedges
Plaug. Coombe.

10 thoracicus F. Ol. 2. t 2. f 10.

11 productus Ol. t 3. f 17.
apicalis Lea? q
praustus F.

12 fasciatus L. Pz. 10. 5. Dar. 15. 528. 1. — June grass Hoof Darent & Combe al. c on flowers

13 tuberculatus Lea — 6. Jul. on S. Hinghown Kent. & Matthews June

14 equestris F.

15 humeralis Lea

320 Dasytes Pk. Fab. Lat. Melyris Ol. Tillus Mars. 230.
Dolichosoma Ste. Tubula

1 linearis F.
filifaunis Kent.
25 July 33. on fl. of grass & Statice limonium on Sattern. Tillsbury. Dorset

Dasytes Pk.

1. flavipes Ill.
flavipes Pz.

2. flavipes Ol. 2. t 3. f 16. Fab.
virens Mac.
6 June hedges Hoof, Combe & Darent
on July on Wheathlea. Sf. nr. Hetford

2 viridis Rossi
aneus Mac.
oratus Ste.
June white thorns in woods Knaresboro
May. palings & posts wood sides, Combe-w. 18th Cl. West.
Rochelle. 17 Apr. 46 pupa & Imago in rotten Oak branches, Combe-w. Mr Edwards

3. cærulipennis K. — Ent. Mag. 2. 375. pl. 10 f 1.

Lewes C. Mar. in decayed black thorns & hawthorns: superficie ex Apr. Waterhouse.

5. cærulens Dely. F. Pz. 96. 10.
viridis Ste var.
6. June Ranunculus & Dandelion flowers, Barton cliff & Milton
6. Aug. Hawkhurst I of Wight.
June Thrift sea shore Hastings abundt; Lymington & Devon. 6th. of yellow flowers of a Brassica? cliffs. base of crumbling cliff.
May moss & grass Ivy forest
nr. Ilkeworth. S.D.W.

7 niger L.

Eucnemus Ste.
6 ater F.

Eliciopis Bep. Aplocnemus Ste.

9 floralis ~~Ol.~~ Ste. in Dasytes niger. J.O.N.

10 nitressus Mac. Lav. - Ent. Trans. 3, pl. 5 f. 2.
femoralis Ste
nigricornis Pk.

Kaniles
Jan. Feb. Mar. under bark Beech & rotten elm Hyde Park
m. May Wlade Mem. Gl. Westm. 16
Nov. in decayed tree, Copenhagen fields.
Larva in wider in bark of Elm.

321 Tillus Ol. C. B. E. 267. Notoxus Dej.

1 elongatus L. Pz. 43.16.
ruficollis Herb.

Jun. Oak, Dauto: rather abund. on sunflowers, Bungay, Suff.
trunks of Beech & barked trees, Lyndhurst. Shiren. for.

2 antennatus F.
atra Pz. 8.9.
bimaculatus Dej. var. 12. 411. 2.

June 1814 & 16 in Edward's garden Bungay Suff: a pair in col.: I.C.
15th Shutthanger Brierly in Leominster.

3 unifasciatus Ol. L. 12. f. 21. Rossi 1, 147, 552.
Cast. B. E. 267.

June Oak, Windsor & new Oak posts Hertfordsh: sw. v. Camberwell
10th to 20th on new oak paling, Camberwell, in plenty, in sunny weather I.F.S.
Larva in rotten branches & beds in pines: Larva R. S. E. Ent. vol. 32, pl. 1 W. 2 f. 6. 11.

322. Opilus Lat. C. B. E. 270. Eupocnus Ill. Notoxus Gyll.

1 mollis L. Pz. 5.5. Dej. 12. 411. 1. Jam. 12. 1
Larva. Ent. Trans. 1, 30, pl. 5 f. 1.

April. Hainault
June & July Richmond Park E. Fowler, woods & hedges Darent Lane
Nov to May under bark. Larva in decayed willows.
w. Oaks, Shiren. for.
Whitchurch hill Shillingford.

2. fasciatus Cast. B. E. 270.
unicitatus Rossi Fal. f. 383, 2. 412. 8vo 2d.

323 Thanasimus Lat. C. B. E. 398. Clerus Dej.

1 formicarius L. Dej. 7. 231. 2. Pz. 4. 8. Stev. 62. 3.
femoralis Dej. var.

30 June, trunk of Scotch fir Gl. Lewes. Mr. Lubbock Swap; Capt. Blanc Teignm. Sept.
June sea-shore Dublin: Turnemotte: sandy banks Bound. Hainault forest.
Apr. on a tree Dickinham: Kimmedy coni: under bark of Ash, Heron Court
May under bark of Pitches, Thetford. Douglas has seen one eat a Pimiers, Entom. f. 157.

324. Clerus Geoff. C. B. E. 1, 44. Enchodes F.

1 apiarius L. Dej. 7. 231. 1. Pz. 31. 13. Stev. 67.

June Dover, hawthorn. Stone.
July: 20 on a flower in Windsor g. Park. J. Douglas

2 alvearius F. C. B. E. 44. Pz. 31. 12
Kram. 6. f. 99.

in June 24. Dorking, Surrey: Manchester R. Windsor Gricebach
Waterhouse

325. Necrobia Ol. C. B. E. 350.

1 ametheystina Ste.

1 rufipes Ol. L. n° 76 bis. t. 1. f. 2. Schaf. Ic. 166. 4

Nov. Copenhagen, fields, Gray

2. ruficollis Ol. L. 3 C. B. E. ... 350. F. Mus.

May Bird bones & dead animals. It indirectly saved Latreille's life in 1795 Gen. Crust. I.
C. July

3. quadra Mus. 323. 4 Gyll. 3. 376.
violacea Ol.

Apl. old bones in dog kennels
in May in dead moles Thetford.

326. Corynetes Pk. C. B. E. ... 351. Fab.

1 violaceus L. Fab. Lat. Pz. 5. 6. Ol. L. n° 76 bis pl. 1. f. 1.
Gyll. 3. 375.

Many in houses & flowers abund. On currant leaves, Blandford I. C. 8.
Oct. Norf. Thetford, Kimpton, Wrentham
in April, South church. end, Wrentham

Bred from a cocoon in a seal box amongst dust

Larva in winter in dead wood of oak &
It feeds on Anobium a.f.8.7. LVI.

They chase & destroy the Bostricida

The larva lives upon the maggots of Megachile muraria. & one was bred by Mr. Westwood

275.

ann S. E. 2d S. 6, 238 & 313.

328. Cis Lat: B. E. . . . 402.

1 Boleti F. — Ann. ib. fl. 2 f. 1 — Oct to July Feb in Boletus versicolor under bark of trees to Aug. Autumn Lam & in Agaric of Oaks. pushing late 14 days. Bracon Cis Bruchi 149 lines in the larva of C. Boleti
Boletorum Mar. 85.13.

2. concinnus Mar: 87.19. . . . . June Norf. Boleti 1.6.

2b flavus K.

3 micans F. — Ann. S. E. 2 S. 6. 255 fl. 2 f. 14 — m. Apr. under bark of fell nrs in Southend. Norf. under Boletus versicolor
villosulus Mar 86.14. — Lord Spencer's Park. Bark of old firs, Bates.

4 hispidus Pk. — ann. ib. fl. 2 f. 17 — in Jul. amongst fine boletus on a felled tree Tollesbury. Essex
micans Pz. 10.8. — 1 July Newtown Sol. W.

5 pyrrhocephalus Mar 86.15.

6 fugacius Mar 86.16. — m. May under bark of a felled ash tree, Rougham. S. E. New forest.
festivum Pz. 6.7?

7 rhododactylus Mar. 87.22. — in Boletus versicolor

8 nigricornis Mar. 87.21. — in Boletus versicolor

9 ruficornis Mar 87.20.
perforatus Gyl.[2]

10 infidus F. Pz. 10.9. — June New forest.

10b minutus Ste

11 fronticornis Pz. 98.7.

12 bidentatus Mar. F. Ol. 86.17. — Curt fl. 402 — Rachilles
micans Mar & 87.18. — June in Boletus auriculatus & on Whitethorns Suff. New forest, & Huan March, Boleti, Richmond Park

329 Cionus Curt B. E. — 149. Ste: Strum. — Lycheta Hell. Berylon Germ.
1. Carpini Curt. — mar: under bark of Hornbeam, Epping forest
variegatus Hellw. Germ. Strum. v. 20. fl. 366 A

330 Apate F. C. B. E. 271.
1 Capucinus L. — Pz. 43.18. Eut. Trans. p. 81 — 25 July bred by Mr. T. Sevringes from oak stakes cut of hedges from the bridge of Thame w. Worcester. Shed mine also. Kensington gardens July F. Holme. w. Cromer; w. London; Matlock Derby sh. on a post Blue-bell Norwich. 6 Oct: lays in timber, Pembroke Docks y.
Gyll Chron. 185, 85 J. O. W.

331 Bostrichus Ol. Gyl. 3.363. Trypodendron Ste
1 domesticus L. — Pz. 43.19. Ol. 4. fl. 3 f. 22 — Ape. birch trees Meldon park, Newcastle, Wailes & Newman. New forest in wood under bark of elms. fly 19 on Birch bark. Shiress. fos:
limbatus F.

2. dispar Ill. F. — May New forest, upon Beech, Bydder.
brevis Pz. & 34.20
thoracicus Pz. f. 34.17.

Waringii Curt. Am. N. H. 5. 279. p.
lineatus Nov. L. No 77 pl 3 f. 23.
limbatus Pk.
melanocephalus Herb. Tab 48 f. 14. Fab.
Serratus Pz. 34. 19.

taken in a house at Bristol, Me Waring.
m. June 1 on a Birch. Borkland, in Sherwood forest by Mr. Freeman: 1 on 20.

Dryoderus Ste.
1 substriatus Pk. Spry pl 33 f. 5.

Apate F. Ste.
2 crinata F. Ste 3.351. pl. 19. f. 6. June Epping forest, Jenyns.
muricata Ste.

Rhizopertha Ste. 3.354
1 pusilla F. Lain. Trans 18. p. 417. pl. 28 f. 5 in rotten wood from India, Marshall & Newman.
picea Mar.

332 Tomicus Lat. Bostrichus Gyl. 3.351.
1 Typographus Deg. F. Gyl. 3. 15.2. June under bark of Pine-trees

1? 8-dentatus Pk.

2 flavus Curt.

3 monographus F.

3b chalcographus F. Cl. n. pl. 1. f. 8. under bark of Oak.

4 Laricis F. Gyl. Pz. 15.3. on the Larch, Windsor. J. H. Griesbach.
25 Apr. under bark of birch stump, Westwilliam wood, Dorset.

5. bidens F. Rochels & J. Dunjen.
micrographus Mar.

6 cinereus Herb.: under bark
fuliginosus Mar.

7. fuscus Mar. 53.5. Gyl. 3. 360. 7. Lain. Tr 18 p 128 f 6 June bark of beech-trees.
retusus Dej.

8 micrographus Pk.

9 villosus Pk. Pz. 15.8. 6. June, under bark of felled oaks, at the base; in abundance New forest
they excavated longitudinally & parallel.
Barham Suff. under bark
.. under bark.

10 polygraphus L. S. N. 2. 562. 12. Pz. 15.5.
affinis Ste. v.

333 Platypus Herb. C. R. C. 2. 51.
1 cylindrus Herb: May under bark of felled oak & beech trees, New forest
cylindricus Cl. 44 p. 78 pl 1. f 2. Stumps of nearly felled beech trees Tut. Mag. 4. 212.
m. Sept 26 New forest.

2 linearis Dej.?

249 Nemosoma Lat: C. R. C. 327. Gyl. 3. 402.
1 elongatum Lat. m. Apr. 1830 m. Sydenham Kent & 6 May under bark of old elm rails
fasciatum Pz. 31.22. m. May under bark of elm posts, Bridgnorth, Salop.
June Darent Kent & Nottingham out of a bramble bush
9 Sept. under bark of an Elm rail Leamington, Lord G.

incha. Rev. - I. M. 2. 243.

Jonas D. Walker

Eadlebow of Mr Lowe.

[illegible] of Lawrence [illegible] Esq

Hypothecemus West in Ent. Trans. l. 34.

l. crudatus West. ib. pl. 7. f. 1.

in pasteboard cover of books, probably imported

334. Scolytus Geof. C. B. E. 1, 43. Eccoptogaster Gyll.

1 Destructor Ol. F. Pg. 15.6. Cent. B. E. 43. — Mar. on trunks of Elm-trees, under bark of Elms Norf. to Hatched 15 June Sept.
inermis Mar. Lam. 1.5.

2 fuscicolor L. — Jun. Lar. & from Sept to March under the bark S.G. changed Mar 7th to July out of a hedge, Sayer

3 frigganeus Ol. L. Ill. f.5. Pg 15.7. — Lar. in an old Elm Pl. Newham. I of Wight. S.G.
multistriatus Mar.

335 Hylesinus F. C. B. 2. 522.

1 crenatus F. Pg. 15.7 — Pl. frigganeus from under the bark of Elm, old young & old trees Weather
vulcatus Mar — m. June Ash trees Penshurst Sowerby & Norf. Mar. Whitgthorne, Hainault. Aug. at London: in a decayed ash tree Burn. court, under rough bark. Aug. at London

2 hæmorrhoidalis Mar. 56.15.
minutus Pg. 15.11. — m. London

2b fuciperdus Ste. — July under bark of a felled tree Kirkstall priory all dead: Mag. fr. Lord Northampton under bark of Ash at Castle Ashby: under bark of Horse chestnut in Chiswick all dead
I suspect very on the d. nus of Fraxini

3. ocaber Mar. 56.14. C. B. E. 522. — July Kensington gardens & Fareham Green. Pair on ash tree at Spreddington Lance. Sp. Sandesfoot Hayes 10th July.

4. Fraxini F. Pg. 66.15.
varius, grisens & rufescens Mar. 55.10.

5. furcatus Mar. 55.13.
vittatus B.

6 coadunatus Mar 58.20. — under bark of rails Hydenham

7 cerreus Mar. 55.12 — Rackells m. London. In palings made of fir-poles D. St. Bale.

336 Hylurgus Lat. C. B. E. 3, 106.

Dendroctonus Dendrocœtes pinifperda L. C. B. E. 106. Dec. 5.46 f. 8.10. Pg 15.9.
testaceus L. S. Pg. 66.12

Hylurgus 2 rufipennis Mar. 57.19.

2b rufescens Ste

3 obscurus Mar. 57.17
hispidulus L.

4 piceus Mar. 58.21.

5 angustatus Gyll.
ater Mar: 59.25.

6 palliatus Gyll:

7. ater F.
Holeti Mar. niger Mar. B. 59.26.
59.27.

7b. fuscescens Ste.

in shoots of Scotch & other fir trees viz. P. Strobus, Picea, insignis, Lam. on bark of the Pine can. in Norf. New-forest. Dec. Larch trees in London Dec. Cattle Sept. man. on trunk of a broken fir tree. Ste. was running about & getting into beds, they bite also
in fungi: Clavicularia trevellordes Mr. Th:
Mar. on trees in the bark of the broken fir tree, willow, pear to the wood which was rotted
Bark of old stumps, Stevards Hay-wood, Bates.

June, bark of trees under willow pear m. Tonbridge wells under bark of Scotch fir, Stirling.

5 June, bark of Pines, Norf.

June on Scotch-firs, New forest, Douglas.

6 June on Scotch-firs, New forest, Douglas.

7. June Darent. bark of the Pine. 30th Pilton, Scotch firs, Stirling.
in Boleti
m. Sept under bark of felled fir-trees go to Christchurch. m. Tonbridge very abundant

Females apparently boring into sound Elms. Am. J. S. 1846. p. LIX. Their mode of copulating p. LXXVII. Bracon initiator is a parasite

... & hæmorrhous Meg.[2] Q. 6. 5, 640.

... barvatus Nees

... Lincoln.

... & bores thro' bark & is pushed in by the male who accompanies her & the hole is then closed. The Scarab dies & they lays her eggs. N. & Bate ... Ed. 1. 6

... polar. According to Guerin it attacks dead Elms also

... Abies.
... Pacis.

8. rhododactylus Mar. 58.22. — 8 June Pollard's bridge. bred from stems of the broom in which I found white maggots in April from Comb grange fish. No. alive in Nov. 1st Sept. 46 in red & dying stems of broom. The larva feed under the bark. Mr. Plemstead.

9 rufipes Ste.

337a Baris Ger: [Rhynchaenus Ger.

1 ata L. 2. 67
chlorofus Pz. 19.14. — Apr under elm-bark Copenhagen fields. M

1 liguanius Mar. 275. — Mar, in decayed elms Rad. June Norwood & Cunninghall in old felled trees

2 picens K. Pz 4.6.
culinaris Reich? — May under Ostrea maxima, banks of the Medway. K? June

3 trancorum Schön. Gyll. 1 p. 1 L 308 — May on old bark in Cook. M. June. Aug. 30, 38 Dr. in dead alder branches on bank side opposite Hepfull, I of Wt. J. C.

337 Baris Ger. Baridius Schö. Gyll. 2, 695. Cat. B. E. 16. 166.

1. Palbum L. 2 639
Atriplicis Pz. 21.5 no. 83. & 27. f. 1 & 04.
filistriatus Ste. v.
hyoscyamus Mar. — funerus Germ. — Mar. on mow Batterna fields. May on rushes in meadows & hedges Norf. & Bungay; Somerset; Bristol. Bassatt's Lock, on rushes on Erica tetralix, Crown Lyn Reg.

5. Artemisiae F. 2 456 Pz. 18.10. Oliv. — May of rushes Broad. Mere Norf. Apr. roots of plants, Gravesend. Mr.
laticollis Mar. 276. 116.
picinus Germ: Schön: 1 p. 61.
6. picicornis Mar. 276. 115
lepidii Mill. Schö — May on Artemisia vulgaris Brox. Roots of Sisymbrium officinale. F. Smith. June sandy banks Bungay. Larva in cabbage stalks. L. Dilsour. Gravesend not uncommon. L. Bromley Norf. June on flowers of Reseda lutea at Cantham nr. Norwich. M & Walson

7. vagancus Cat.
inpunctatus Ste. Schön. — June Dangs bridge nr. London.

337b Meecinus Ger.

8 sunicyluidrius Mar. 295
Pyrastri Germ? — Bat from oak Kew & Bramble stick by K & L Walcott. June Dunsford's Cat. Town & June Bungay. Apr. on fallow & Ealing Norf. com. May Wrentham. June Dangs bridge Lonsdale Brom. July.

9 hæmorrhoidalis Herb. 6. 6. 226 f. 180 f. b.

10 circulatus Mar. 272 — 31 July Eastn. Chelsfd. Ealing Dilwinglam Kent. Mar. Apr. road & hedges. 6 Aug. L. & B. Hampstead & Arundel

338 Cossonus Clv. E. B. C. 2, 59. Gyl. 3. 250.

1 Pardii E. B. C. 59. — July 22. under bark of decayed willows nr. Powerscourt waterfalls & Willow, Ireland: between the timber & the ground where filled of manure there nr. Belfast Mr. Hyndman. 13 May. 6th June, also I had in March two on the higher June stuck off a willow tree nr. Feltham, in an old drain. Spring trunks of trees, Brundon Sect.

2. linearis F. 2. 296 Pz. 18.7. Oliv. 5. f. 135, f. 534.
elongatus Ste.

339 Calandra Clv. Gyl. 3. 255.
Sitophilus Schö
1 granaria L. 2. 638. Pz. 17 ll. & 2. 7 Pz. 27. f. E. f. 21.
unicolor Mar. 273.
fumentaria Lein. Wip. by Linnaeus book: both Gutram a. L. 2. f. 8 f. VI.

Lithophilus
2. Oryzae F. 2. 238
Ray. Agr. Sur v. 7. p. 95. pl. E f. VI to 18.

June & July on cockings of a malt house Repwith Rd. & L. B. in Granaries Jan & Dec. in pearl barley. Norf. & Lincol. in barley & malt & maize, chest oats. Spring Cossey mills, Norf.

In rice, London, Norwich. Ancona Wheat

in a rotten stump at Hessle, on the Humber Bank, Mr. Wright.
June 7th in rotten Oak on Bank at Halvor Suff. J. C.

analis Oliv: v. 5. n: 83 tab: 16 f. 197. a. b. June nr. Ryde, by sweeping Rev. G. T. Rudd.
Cat. B. 2766. May Ion marshes by Sir R. Simeons, Revd. Dawson.

H. collaris Germ. May, Gravesend, roots of Plantago maritima, Stev. in plenty. Rudd, Dow.
June larvæ in stems of Plantago, causing a swelling below the flower.

Under bark of Sycamores on the Lyn at Lynmouth, Devon, J. Pell.
found: at Mount Edgcumbe park, Plymouth, T. T. Bellastine; & to Fowey on coast of Cornwall, 22 miles, in almost every tree except the Oak, but most abund: in the Sycamore, 5 & in one trunk, 1 deep in the earth in decayed stumps, congregating, Sept. or Oct. & they were all mutilated at this time. Lod: 2.775. T. P. W.

320 Mirarus Schr. Cent. B. 8. 629.
** 1 Campanulae L. Ch. 2. 687.
acephalus Marr. 27. 102.

June in flowers of Campanula rotundifolia & glomerata Devil's Ditch Newmarket
in Sal. on Hypochaeris maculata L. Jesus, Devil's Ditch.
e July Blandford Race course & Parley J. B. 8. Mr. F. R. cent. in flowers of campanula rotundifolia, Tuddenham
& Swanscea, Dillwyn.

Poophagus 35 Nastartii Spe

e June & July of Nasturtium officinale Kingsbridge Mr. Walton

Sphaeria Spe. Cent. B. 2. fo. 62.
S. 2. 0.

June grass side of Fields Dover, Comb.
e Aug. in flowers of Campanula Trachelium nr. Arundel, not mucro: Stev

7 Lucariae Pk. 26. 18
Sphaeria Pk.

May Chartham Kent.
June Antirrhinum Linaria Nos.

xxx Rhizosphaera Kirb. Cent. 8. 2. 62.
2 Antirrhini Pk. Mar. 26. 80. Pg. 26. 18
S. 257.

June on the roots growing under.

e Aug. in flowers of Antirrhinum Linaria Nos. Suff. Dane & Wm. Aug. 27 about
July Chattenden, Dr. Buchan.

2 Melampyrinus Mar. Pk. Mss. 80. 2. 14.

e May, June on Pedicularis sylvatica nr. Betson by Daniel J. Walton
Aug. Aug. Cf. 2. 2. 1. 98
e May Pembroke Mr.
July Birchen.

3

5 Nicotiae Mar. 56. 55.
Sphaeria Kirb.

in June & July in a meadow near a rock Innesdown Sl. amongst short
grass Nos. Suff. & Mr. Bates.

320 x Gymnoascon Schr.
8 Beccabungae L. F. 2. 687.
Veronicae Gmel. var.

May & July Birchen.
June on Veronica beccabunga nr. Sheen Mount Pat. Kneath, Liverpool
July Pot. Pond Hill, Commons L. Wall. & Aug. sides of Ditches Arundel.

321. Clonus Fr.
1 Scrophulariae L. Sam. 2. 61. Dec. 2. 6. Pg.
Mus 63. 2. 61. Gard Chron. Suff. 2. 3. 5. 8.

June Water Betany, Norf. & J. of Mr. E. Stone nr. banks of Trent, Stafford.
July, 28 June & 6 Aug. on Scrophularia nodosa nr. Farnham, Dr. Holme.
Leaves feeding on outside of leaves of Scrophularia nodosa Mr.
e May on common
Aug.
Leaves lives on between veins of Scrophularia Nodosa, on which it also lives a fungus
in a thin hoary case
June Newbegrowed Lymart. Bro de Bexley
Jul. Mr. Dabbange by fine Suff. of Scrophularia aquatica Bungay, Bodeam, Mr. of Mr. Hopkins at
Sheep of Scrophularia Nodosa, &c.

2 Scrophularia Pk.

Aug. Aug. Cf. 2. 2. 1. 98
e May Pembroke Mr.
July, Birchen.

e Blattariae Lin. 1. 66. 1. 3. L. 2.
Lupus tulatus Mar.

June side of river S. Mangleste. com. on Scrophularia nodosa Nos.
29 Clifton, Dorset &c.
31 July sides of river Hertford
2 June Bungay wood Dawd

33

Cionus Meg.
6 Solani Pk.
pulchellus Kirb. 6. 6. 356. 2. 38. L.
immunis Mar
Scrophularia Dow.

May sides of fields Norf. on Scrophularia. Mr. T. Gravely &
e Sal.

342 Sphaerula Meg.
1 Lychni Pk. L.
Salicariae B. 8 Pg. 17. 2.

33
34

May hedges on Lonicera periclymenum Nos.
6 Aug. in flowers of Lychnis Salicaria.
Nos. Minimus.
18 June Lt. Wood
July in plants on Lonicera periclymenum on rocks at Rocks Thursbeck, Dr. Holme.
May sandy flowers Plumstead heath Clark & Bungay Suff. Gravesend, Walton
June gravel pits Comb. Mr. June grass on heaths Wrayut. Ambleside.
23 Mr. Lonsdale in Sandy gravel pits Leith hill, Otto.

343 Erbutis Ger
1 sequaeus L. 2. 686
globosus B. Pg. 5. 10

L

344 Monocyclus Lev. 6. P. E. 292.
1 Pseudacori F. 2. 250.

Torquay Mr. Griffiths Lymes Mr. Mann
Sal. Walton on Iris fœtidissima: leaves in the rods
16 Nov. 63 on on leaves of S. Pentandra
Tow, Mr. Rio & William, J. E. D.

collina Gyll. 3. 209.

J. Walton.

fuscinervum Gyll:
collinum Gyll 3. 209. Step: Man:

6 June sev^l in sand pit in Carter's Lane Wrentham & Walton
18 May abund^t escaping long grass in Dales Meadows Plantat^n

They fly well when the sun shines F. Holme.

Tunbridge Wells

345 Centorhynchus Schr.	Cent. B.E.H. 670.	
Coliodes 1. Geranii Pk. 3.256. Cent. fol. 670.	30 May Stirling on G. pratense.	Mr Masters on Walton
	& June on Geranium sanguineum Gigglewick, eating the petals of G. pratense,	
	Ambleside S.C.B. Arthur's seat, Stirling.	
2 haemorrhoidalis Pz. 99.11	June grassy places, London	
3 nuber Mar. 251. Don. II. fol. 38 f. 1	May hedges Norf. Tunbridge wells.	
4 Quercus Germ. Col. 6. fol. 92 f. 7.	May hedges Norf on oaks. Tunbridge wells.	
	& May common on Oaks. Gravelly	
5 melanorhynchus Mar. 251	May hedges Norf:	
pallens Mar	in Spring Hampstead & Mr Marsh on the Lock Ness, Cor Glenesis Port	
6 rufirostris Sp. Ste 4.23	June Sal. Oaks Mr Jones & Cambridge road Barnet	
nigrinis Mar.		
7 melanocephalus Mar 253.	Jul Rochills.	
	May Battersea fields.	
8 nubicundus Pk. 3. 263. Pz. 99.12.	Mr: grassy places London. Tunbridge wells.	
	Jul.	
	& June Bowington road Forest	
11 Urticae Mar 281	May hedges	
12 didymus Pk. 3.213. Gyll. Ins. Suec.	June common Urtica dioica Norf.	
nidulus Pz.	July	
	Capt. Barnes	
28 gallula F. Ol. 5. fol 23 f 325	Jul. common nettles Norf. 31st Dover	
2.282.	1 June Mr Wood	
fuliginosus Mar. 280	6. Aug. at Arundel	
Carbui Hbst. A. fol. 24 f. 22		
28b. rufipennis Ste. 4. 25.	May June hedges London	
29 subrufus Mar: 282.	June hedges Norf.	
	6. Aug. at Arundel	
37. oulocollis Pk. 3. 217.	6. May hedges common Norf. Between 10th & 11th June hedge Cambridge Lynn	
pleurostigma Mar. R.A.S. 4. 114. fol. H. f 16-19.	on Sand Hooker's hill, July Brighton	
affinis Pz. 57.15.	26 Aug. chalk pits Guildford	
alauda F.	28 June Colchester	
345b. Nedyus Schr:		
9 Proglodytes F. 2. 285.	15 June, Nettles Slaughter Norf: & c. Darent & Wrotham 16th June Mr West	
pusio Pz. 36.15.	1 Aug: Hinsley Mount:	
spinigerus Germ. 6.6. 210, fol. 92 f. 2.	25 Apl. Hampst.	
	8 May at Snowdown hedge on Sandwich Mr Stat.	
10 marginatus Pk. 3. 211.	in Jul. on Reseda lutea at Dover. Birch on 6. Aug: Brighton.	
Reseda Mar. 256. 52.	Mr Battersea	
13 asperifoliarum Gyll. 3. 221. 128.	11 June in a wood n. of Mabury Pack of Cynoglossum officinale &	
intersectus Ger	in abund. Mr Walton. Darent. 16. 6th June edges, Dunning Cliff,	
	6. Aug. Brighton.	
14. 4-maculatus L. 2. 639.	2nd May Swansea, Yorkshire.	
15 Crux Lea		
16 litura Pk. 3.210. Gyll. 3. 222. 129.	1 May hedges. Nettles Norf:	
	Sept. flying at Dunsford	
	29 July Nettles, Thetford Norfolk	
	21 Aug. Hampst. 26th chalk pits Guildford	

[illegible] Spanier vide Schröd. vol. 1. p. 450. [illegible] Guérin

Jenaischer Mag:

J. Aug: Arnoldt, Stw:

18 ovalis L. 2. 612. — Apr. Bristol, Swansea, Devon
leucomelanus K. — 17 June Holmst
6. Aug: Brighton on Thistles w: of coast, Brighton

19 Euc. Gyl. 3. 147. 69. — 15 Aug. in abund. on heath ascending Fairie hills at Brodick in Arran
rufirostris Dej. — Bailey & Kingston Heather 1. 6 & 2 June at on heath in Lundy Island

20 ruficeps Mar. 258 — 8 June St Cloud
vulturalis Ste. 5. 419.

21 hypnorhynchus Mar. 257. — May Lewisham Lond.

21b melanarius K. Ste 2. 31. — May Ledges Ashford
June
6. Aug: sides of Ditches Arundel Sus.

22 monostigma Mar. — May & on London
June

23 pollinarius Fors: 33 — on flowers Bramble w. Hebes Wrexham
deutatus Mar. — 6 July Blanny Plants in Hebes Oxford
Lond. Tabram
Sun coop with Cardinalis, Mr Rawlins

24 seiguinus K. — Apr. amongst Nettles London, Mr Tabram
caliginosus Ste. 2. 32 — June
Aug. on Fumaria officinalis, Brighton

25 Quercicola Pk. 3. 215. Nub 6. 6 [illegible] — Wall Sop, Kavel Tree — June on Quercicola on Hemlock's garden
& May Ledges Battersea on flowers of Fumaria officinalis
July
3. Aug. Brighton on Fumaria officinalis, Stev.

26 Borraginis Pk. 3. 210 & 57 — May London, Jamaica
cardidens K. 36 13 — June
Aug. among on rum. for. Libra. on Fetter vetch

27 pallidactylus Mar. 259 — Macclin

30 cinereus Mar. 283. — May Ledges Lett. London
June

30b scutellatus Ste. 2. 57. — Jul. Ledges Bailey & Norfolk St

30c unguttatus Mar. 283. — June Ledges London

31 melanostigma Mar. 256.
regulosus Nub 6. 236. Hgl 2 163 — Radcliffe. Norf. S. C.
June common on villa Chamomile in London by Copenhagen fields
6. Aug. Brighton

32 Chrysanthemi Ger. [illegible] — 11 June grassy fields in abund, Muckleham, Mr Walton
18 May of Chrysanthemum in Table Newland Plantat. not uncommon 29th June

33 ~~Nub~~ regulosus Gyll 3. 231. 136.
melanostictus Mar. — May Ledges on wild mint, Plumstead w. Lett.
June, Wentham. Stirling.
6. Aug: ~~Brighton~~ Arundel, sides of Ditches, Stev. on wild mint

Poophagus Schr:
34 Sisymbrii Nub: 6. 6. pl. 169. — 6. May, June, on water cresses Battersea, Norf & Hafford on Erysimum Barbarea
Mr Worton & E.D. Banks of Derwent water Rev. C. Kay. side of River Hafford Dorset.

Cassidorhynchus
38 Depressicollis Gyl.
nigrinus Mar. 250 — 6 June off Thlaspi bursa pastoris in flower; Gravesend; Walton. flowers of Fumaria officinalis
9. 6. 54 Flowers of Water cress in Holmes. J. C.

39 floralis Pk. 3. 260.
constrictus Mar. 258. — Botanic garden Edinburgh. Stirling.
8 June v. c Norf: on Cochlearia armoracia & Wentham
6 April Battersea
m. May Mr Walt: on flowers of Erysimum Barbarea, Brockenden.

Papaveraceæ Juss.
Fumariaceæ Herb.

Rev. L. Brown, Mus.

36 Cochlearia Gyl. 3. 144. 66.

Cochlearia officinalis
16 April at grass damp Meadows Hampstead
18 May, Gl. & Scot. 28th Scot. Common Quay.

35 Nasturtii Spen. Step Ill. pl. 20 f. 1.

e Inn w. Hull; w. Knaresboro' on Nasturtium officinale
6. Jul.

L0. sulculus With Ste. 2. 32. May hedges Norf.

L0b. pharyngeus Mar. 258 May hedges London

L1 Erysimi Pk. 3. 265. Pg. 17. 5
chlorostemus K. Ste. 2. 29. June White Stones Combe in Norf. & common plants

L2 contractus Mar 250.
R.A.J. 3. 317. May hedges Norf. Bred from excrescences on roots of Sinapis arvensis Nyl. 1864 p. 208
England Robinson of Lincoln takes the Sinapis leaves.
June Langford

L3 assimilis Pk. Pg. 22. 0. Lon. [illegible] 259. 8
3. 257. R.A.J. 3, 316. Kirby & Spence 2. 32.
cistrichus Mar. 255. 50
claudens Steph. Ill. 2. 25. 26
L4 Eclipsis F. Pg. 17. 12.
2. 482. May hedges, bred from ~~[illegible]~~ of Turnips ~~Nyl. 1864~~ 6
June on grass, on Reeds, Grantham Lowestoft. Cattage Flowers.
May Gravesend 3rd of Portland

on thistles on Echium Lulworth S.C. Carisbrook Castle I.W.
Eltz, common on Echium Bonchurch Sq. Richard Warner

L5. horridus Pg. 8. 4. on thistles on Sow of Hedges Lulworth S.C. Maiden Castle S.C.
6 May hedges, thistles Norf. Tollesbury 28th thistles I of Portland.
6. June Barton cliff Torbay 20th thistles hills Langford
8 Aug: on thistles Brighton

325c Rhinoncus Schö:
L6. Sparti K. Ill. 2. 41. Broom on wooden heaths
2 d.
2 d

L7 Periscelis L. 2. 269. Gyl. 3. 57. 18.
Herb: fl 91. f. 12. Rochills. Kalm
on May Coomb. in juice of Scrophularia & on Docks & thistles. 18th 2 mayfly
Dale's Westwood Marshall. Lundwood.

L7a tibialis Ste 2. 41.
flavipes Ste 2. 41. 13 July Barbican, sent Bromham Norf. Whitlesea mere
21 Aug: sides of Ponds & ditches on Polygonum S.C.
29th June on Guildford by river.

L8 Castor F. 2. 251. fruticulorum Herb. fl 91 f. 10.
uncostigma Mar. 255. 51.
b
L9 interstitialis Kirch. M. 6 p. 42.
rufipes Ste. 2. 42. May. Rochills. Norf: Kirb:
The Hoe & Tollesbury off Corn in abundance S.C.
21 Aug. Cucumber

May Norf. Sep.
June London, Dover

L9b. obscuricornis Bkw.

50 crassus Mar. 253. 81. July Rochills. Banks of Cunington canal on Walkern grass. Polygonum hydropiper
Aug 8th: Arundel ditch on Mowers. Whitlesea mere
Sept

51 canaliculatus Mar. 4. 2. 43. Schö May Norf. London. Arundel, Walton.
June

53 uncinus Fuchs Herb: fl 91 f. 15.

325d Pachyrhinus
52. L. tuberculatus F. 2. 248. Herb. fl 92 f. 3. May Norf.
sulcatus Ol. June New for. Shiling. 18th Cosmore Dorset, S.C.
July Whitlesea mere

54. L. cornis Gyl. 3. 154. June hedges London

325a Pachyrhinus K. i. B. E. 558. Rhytobius Schö vide L. Dufour's obs: on the habits & respiration of his Rhyporophilus in Comp. Rend. & Ann. Nat. Hist. 2 Ser. 02. p. 116
55 incognitus Mar. 253. 45.
asperatus Gyl. 4. 583. May hedges. Somerset.
8. Aug: sides of Ditches, Arundel.

56b rufescens Ste Ill. 4. 50 May Somerset: Bristol.
June

42b cyanipennis Germ — Inv. Harrietshum, I. P. I.

42c. hirtulus Germ. — May 11: Decd 1. Sept 9: ex. Dawson

Cruchioides Herb.
Two lapped without opening the elytra — 21 Aug: abt. in a Potato field overgrown with weeds. Exhalis Polygonum Hydropiper

c.6.u.11 u.92.6.

56 C. vulgaris Cyl. Hab. B. 3. 558.

Sand abund. on Lythrum Salicaria, c. Arundel, Walter.
July 6th Hanns & New Forest, on Tamarum palustris: Bauhram Mof.
6. Aug: sides of Ditches, Arundel, Stev. Whitlaw & mere.

57. L. dentata Ste. Ill. L. 51.

Mr. New Forest.
June

58. L. nervosus Cyl. 3. 155. 76.
mucronulatus Gem. 239. 369.

May: Arundel
June

59. Hydrolapathi mar. Syl.
Nymphaeae Cyl. 3. 152. 73.

on the Mitcham Newcastle. inhabits Myriophyllum spicatum

325a Aureus Schö. Schrp.

60 flavitarsis Cyl. 3. 252. 152.
exsul mar 205. 82

July, on Alders & Birch Mof: Cornel & Daniel.
June Peterbrooge, nr. St. Kingston hatte, on birch, on mid. Spence's foot
May side of Brook Dalmont

61 nitidulus Nitk Sa. 4 55.

62 ustulatus Nitk Sa. 4. 55.

325b Aureus Schö.

63 Bertellum Cyl. 2. 618. 2. 92. 2. 13.
agricola Pz.
inflexus mar 257. 23.

Mar. Lower Wrentham Suff. Mof. Barbarea vulg.
June
May: Brighton & Little Hampton
May: Sun grass Hawes Mof.

64 castaneus Nitk. Sa. 4. 52

326 Aculeo Schrö. & C. B. L. 556 (1835) June Tachydes Sem.

1 filiroides mar. 258. 59. (1844)
nocturnus Cyll. Schö. 352. 57.

May nettles in hedges Plumstead heath, in grand fit. June on sam fit
June Barton Cliff, Hants. Little Hill, Bolton
6. Oct. Maiden Castle nr. Dorchester.

2b Robors Curt. S. L. 556. 9 (1835)
rubens Schrö. 350. 25 (1844)
(1837) S. L. 20. 25

6. June of an Oak nr. Wrentham Suff. in copse
in May, London on Oak nr. Betson by Gravesend & Cobham Park, Walton.
Plumstead heath, Sorbus in grand fit on Tormentil
Sept. numbers of flag grass by Lower ant. S. Walton.

326b Rufidorsum Ste

2 globulus Dark. Cyl. 4. 575. 3. 235. 138.
c.6.398.370.u91.7.

May on grass on side of Pollard Tegumbeia nr. Betson & Dawnt nr. S. Walton
6. June & Sept.
30th & 13 Aug 92 Lacon wood very fine. 1 6 on young shoots of Crataegus Pollard nr.

327. Cryptorhynchus Ste.

2 Lapathi L. 2. 665 Don. 6. 265. 1. Pz. 42. 15.
Lunis Germ. Ill. 5. L. 5 h. 86.

Wren Spire grounds & Lebanon Park
6. Jul.
m. Oct. one out of young Spire at Kew Coat.

328 Lyprus Schö.

1 cephalotes Cyl. 3. 78.
a Nervatus Ahr. 91 1 9.

June on Water cresses, London

329 Hydronomus Germ.

1 Alismatis mar. 273.
anemorytinus mar. 6.

m. May, in abund. off Lime or Water cress in ditches nr. Sandwich and Dill.
a day abt. on a Lime in Dilber hangram left hand, very fine.
June hedges nr. Alisma, often taken with the rake: most abund. nr. Godstone. Hilton.
6. Jul. Coop.
May 2nd on Water plantain leaves at Romney nr. Ashburg Mr. Gage

350 Bagous Cyc.

1 Cinctotarsus Ste. Ill. 6. 68
tabulentus Cyl.

Same marshy places Mof. & Sullen Park Mr. Walter Sandown Isle
July Woods in Woolmer forest.

2 Tibialis Ste 6. 69 1
anemorytinus Germ?
tabulosus Cyll.

Same marshy places Mof

Waltoni Schö:
villaris [illegible]

Sub: Barnes common on Polygonum hydropiper, Mr. Stevens.
Many of same in a Potato field Hampst. S.E. sides of Dikes Arundel, Stev.

misallus Ether. Suffs: [illegible]
variegatus Steph.

1 at Granchester Cambs. F.B. Wh.

2. tenuispectivus Hanb.	21st May, Fulham Feb 23. Ditches in a marsh with Lunaria rediviva to transport, Mr Ellis
Cantalentus Gyl. 3. 86.	June London, Carlisle
crenicrythrus Ellis on Mars	7. Aug: Arundel, sides of Ditches, Stev.
3. lutosus Gyl. 3. 85.	June near by Blues Norf. Kent. Lincoln.
4. luridus Fers. c. 6. 247. pl 77. f 15.	June near Norw. Norw. Halvergate Do. In Cursa fields
atricolor Pk.	Aug 8. sides of Ditches, Arundel, Mr. Stev.
35f Inoloma Fl. Cat. B. C. 5. 678	Selas: Syn. c. 3 nos. p. 189.
Mus 2. Dan 7. 249. 2. 2. 611.	c. May 6. June Lance in elm Lanes Katcliff June 19th Mich Mr. Ratcliff June 1811
	June in elms in lane under elm trees Hampstead.
	May. Alders. Norf
2. ferrugineus Mear 260, 68. melanocephalus Fl. 5, no 38. rufus Dan. 7, 249, 1.	Under under bark of elms. Fl.
	May on elms. Cons in Norf.
3. atricapillus Mear. 261.	May, Ledges, stalks of weeds
4. Pterus Fl. 5. 608.	May Oaks in Copses
Viminalis F.	June
rufus Dan 11. 389. 3.	5. 6. 3. June Lawn but common in Oaks in June: flutter 26th May. Julai f. 157.
5. scutellaris F. 2. 495.	July Cadiville, Wilkiam
rufus Mear. Dan 7. pl 249. f. 1.	July Kelsey Northstow
	May hedges Cons: Norf:
	Aug: Oaks.
5b. semirufus Gyl. 2. 597.	Lawn in May mines the leaves of Betula alnus. Bouché
6. nigricollis Mear 261. 74.	May hedges on elms
7. depressus Mear. 262, 75.	May hedges, stalks of weeds Cas — Mr. Crowley
	June
8. Sluis Pk. Dan. 5. No 1. c. 32, f. 86. 5. 218.	Ratcliffe
pilosus Mear.	May hedges, Norf: on Mr. Crowley's
	June on Fruit & Birch. on the low hedges on Oak leaves. Fl.
9. Fagi L.	Norf: often the Beech b. July very abund. around Petersfield
Fragariae Pk.	June destroying beech trees with the larvae in Mean mill at on Beech, Mar Forest.
rhododactylus Mear.	Aug. Tangham
Caliar F. Dan. 5, no 43, c. 32. 88	Oaks & Birch numerous quantities on the Beech near Crowley, Co:
10 Populi F.	June London
rhodopus Mear 263.	
10b. Lonicerae F. Herb. 6. 413, pl. 93 f 9. Ellis 5. no 39. Xylostei Claire. 1, no 1. pl 4 f 1. 2.	June on Honeysuckle, Sutcliffe, Tarn
11. Avellanae Mear Don: 6. 205. 3. 3. Sulis 2. 2. 611. signifer Crent.	May nut-trees, common on Brome & Large Norf: Mundham 18th Mullis Ch.
	June
12. X-album K. Ch. 2. 62.	May on beech Leaf.
	June
13. bifasciatus Pk.	m. Aug: Bute. 3d Coombe. Black Hayes wood, Leicester 26th Torrent. w.
Rosei Germ. Herb. 2. 6. 424. pl. 93 f 16.	14 May Windsworth. 15th Cockthe.
14. decoratus Gyl. 4. 393	
confusus Mey.	
affinis Ste. 4. 65.	May woods London
	June

limosus Gyll. Schö.
subcarinatus Schö

Petro Herb

Petrosus Schö C.
cuticollis Schö
chloriceps Chev. Schö

Fruit. Herb. Gyll. Schs. 1st June Walton Cook 362 in Dr Stokes Sandown.

8. pilosus F. Ol. 5 n° 22, pl. 32, f 287.

8. pubescens Schö. 3. 495.
pilosus Gyll.

May New Fo. Devon
June

9. Waltoni Curt pl. 678.
tomentosus Schö. 3. 497.

6. Sept: Knaresboro' of herbage, sides of Ditches.
6. Aug: n: Arundel, Stev.

351. Pachyerges Schr.

Orchestes 15. Salicis L.
- cinereus Don. 5. 121. 5-7.
- signifer Germ. F 3 f 29. hortorum Ol.
- avellanae Steph. Don. 6. 205 3. × album Steph.
- 16 Salicis F. E. 496.
- scutellatus Germ. Ste. 4. 67.

May on willows London 13th Sallows round Walton, 18th Mullen's Copse near Sal.

May sallows & kinds of woods com: Nor. & on Oaks. Osiers about Lewes in July Fanning.
June
12 May

Orchestus 17. Populi F. E. 2. 495. Pz. 18. 17. Ol. 5. 100. pl 32 f. 84.

May Norf. Swanton 5th and ... Sallows round Walton 10th Mullen's Copse Sal.

- 2 Stigma Germ. M. 4. 334.
- nitidulus K.
- Iota Pk.
- 4 rufitarsis Steph 4. 67.
- confusus Schr. 3. 503.

June, woods London

352. Sibinia Germ.

- 1 Arenariae K. Ste. 4. 58.
- flavifrons.

1 Sal Norf Swan. Mull from Chine, Wood pang, Freshwater I. of W. hidden, flowers of Arenaria rubra

- 2 pimpinellae Germ. 6. 6. 12. pl 06 f. 8.
- signatus Pz

Aug Lulworth cove & Scotland Ste. London. Little Hampton.
June 5 & 8
July Birch w

- 3 viscariae K. 2. 609.

June Walton in abundance Brighton on Lyndhurst.
July. Birch Dorkin

353. Bruchus Linn.

- 1 bipunctatus L. Pz 22. 7.
- 2. scanicus Pk. Gyll. Schr. Sup. 7, 187.
- pallidicornis Schr.

June sweeping grasses Hampstead, Mr F. Smith & Walton sallows in Shadingfield and Sep. in sallows Norw. comb in On Salix cinerea, Bishops w. Hampstead, Penzance Lincolnshire, Wallasey Sinnadale.

354. Rychius Germ. Microtrogus Schr.

- 1 lineatulus. Ste. 4. 57

June Kew Dr Deane.
July on Trifolium Melilotus. Charlton pits, S. Ster
6. Aug. Brighton & Arundel

- 2 cinerascens Mar. Ste. 4. 57.
- picrostis F. E. 2. 449.

2 June very abd on rubbish pit Barton's lane. Cornfields. 2d Water cress Office of Wm, Stafford.
July on Lotus pilosus Lewes

- 2 canescens Mar. 257.

May in fields London.
June

- 3 parvulus K. Ste. 4. 57.

June Fulham London

- 4 tomentosus Herb. 6. 8. f 7. 6. 6 f. 78
- villosus Mar
- picrostis Ste. 4. 56.

Apr. on Clover in Cornfields
June

- 6 picrostis Pk. Fab. 2. 449 - 4. 4. 57.
- cinerascens Ste

- 7 flavicollis K. Ste. 4. 56.

June Suff. grassy places.
July Birch w.

- 8 Meliloti K. Ste 4. 55.

May on the Melilot Suff. London.
29 June off flowers of Melilotus officinalis base of cliffs Seaview I. of Wight
July on Trifolium Melilotus, Charlton pits, S. Ster.

- 9 venustus Herb. 6. 6. pl 71 f 2. Fab. 2. 456.
- parallelus Pz. 8. 5.
- bicolatus & nervosus Mar. 282.

May sandy places
6 June brown flowers Norf & Coombe gravel pits S. E. Highwood, Colchester
July Birch w.

- 10. 5-punctatus L. 2. 612. Ste 4, 54 pl. 20 f 3.

20 May upon a Vicia on the bank outside Bacon wood, Mr Smith & Mr Stone.

Hemiphrine Norf.

bifasciatus Fab:
Salicis Oliv.
scutata Hab.
Cupreus? Don. L. 121. 5-7.

21 Sota Park. on Sulay in plenty New Forest S.E.D:

552b Acalyptus Schö.
1 Carpini Herb. Cyl. Schö
senica Dalal. Dej. Stum
rufipennis Schö var?

Ann N.N. 9. 205, 2d Ser.
28 Apr: 51. Sallows in blos: Penny Stratford, Stev.

on flowers of Salix aurita, abt in Sweden, Gyl.

Stephensii Schö 3. 412.
tomentosus Ste 4. 56

Apr Camfields, London
June

355 Balaninus Gyll. — Archarias Meg.

1 Nucum L. 2. 575. Pz. 62. 21. — Sam. 2. 30. — c. May on oak in Dorset, Southgate. i. Jul.
Glandium Ste.

2 Glandium Mar. Common on the V. Ste. 284. 137. — c. May on oak in Dorset, woods & hedges, 4th Gooding. Sam. has sent from Mr Curtis. m. Jul. upon Acorns & on Mat. Badam.

3 Tomicrotus Germ. Curculio Scop. 3. 283. 10. Curculio Mar. 284. 138. — Sam. oaks. Tunbridge wells in May.
rostratus K.

4 villosus Germ. Jap. 18.
Cerasorum F. Pz. 62. 22. Curculio Mar. 284. 139. — c. May Dorset, Nat. i. June Wrotham, Kingsbury.
marmoratus Mar.

5 Betulae Ste. 4 p. 20 f. 2.
Cerasorum Gyll. — 28. July on flying beyond Chancelor's May com. on Birch, Plumstead w. Ste. Sam. on Birch Combe w. Lord Stanhope's park.

6 Salicivorus Pk. Curc. i. c. 20 f. 70. f. 12.
arcuatus Mar.
Brassicae F. 2. 88.
— 3 May abund. on a Bush hue w. Woodcock M. Smith. m. July also on Sycamore w. Willow. Br. Hence. 28 Nambulent. Sam. Hitchin. Boy brought of Salix & Cabbage 28th J. of Pattland. Sam. live in galls of Salix & Stellaria & winters in the leaves with fall to ground. Boutle.

7 curvatus Mar. 287 g. — May willow in hedges. 23 July Lewes Tunbridge wells.

8 intermedius Mar. 288. — May willow

9 quercicrus Mar. 288 b. — v. May Bingham Q. Ste. on oak Cranbrook

11 Sumnus Mar. 28.

12 vendellanus Cur. var of Brassicae F. Pz. 6. 72. — May Nat.

350 Authonomus Gyll. — C. R. E. 562. Paneu Meg.

1 crataegi Mar. 285. 140. i. Balaninus Brassicae. — London Dr Tidet. Ste.

3 Rubi Germ. v. 6. Tab. 71 f. 8. 167.
melanopterus Mar. 289. 151
ater Mar. 285. 141.
— May. Sam. on raspberry & Dewberry Nat. 20th Coombe Lingh. 30 Jul. St Margaret's Cow. May Sallows Nat. Sam.

5 obscurus Mar. 286. 75. — Sam. in London & Bristol; Nat?

6 Druparum Germ. 2. 614. Hab. v. 6. Tab. 70 f. 9. — May bird cherry Somerset; in London. Sam.

7 Pedicularius Germ. 2. 615.
Avarus F. Ent. v. 5. 230. f. 22 f. 310.
Druparum? Hab. var. f. 70 f. 10.
8 aviculus Mar. 286. 144.
Pomonae Germ. — Panurus Ste.
— May Rochester: grass in woods: on flowers of Crab tree Nat: abt. Apr. Tunbridge wood, Hampst. of dark colours, Walt. Sept. abund. of a pale color, Walt. June hedges Nat: flowers of Dog-roses & Strawberries; Swansea

9 Ulmi Delg. v. 5. f. 6 f. 26-30. 215.
Pomorum var. Hab. — Druparum Mar.
Pedicularius Germ. Mag. 4. 322.
10 Pomorum Germ. 2. 612. B. E. 12, 562. Cat. Mag. 1. 34
incanus Ste. non Pz.
— Kent, Dover, Leftwich; Suff. in abundance on Elm; Larva found in the buds the end of May. July Grassmere in plenty. 25th May fence & of pale blossoms, larva feeding upon them 8th May, 21st. in May pupa. 28th hatched. 6 m. Mar. Cg. fly? in mead on a Pathway, & under bark of an old Crab tree, Lindf. in June. Winter under bark

1 Elaphlias Under: Schö 3.378
C. nucum var: Ol. 5. fol 5. f. 27

Pine wood nr London. On oak, Plumstead nr. S. Stev.

Cruz Leach Fale. Ol. 5. No 120 fol 29 f. 44 b.

Brit: Mus: Devon?

Fabreens Pk.?

3 in Herefordsh: E. Doubleday.
Sweden on Pines.

5.6 Cranifrennis Curt: Ann. N. H. 5. 280.

16 Aug. off Heath, Fairie hillo I of Arran

355 Balaninus Ger. Archarias Meg:

1 Nucum L. 2. 673 Fg. 22. 21 Jun. 2. 90. — c May on oak in nut Parent, Southgate. b. Jul.
Glandium Ste.

2 Glandium Mar. [illegible] 284. 137. — c May on oak & nut Parent. woods & hedges Ste. Bromley June. bred out from nut barbes. m. Jul. upon Acorns. b on Nat. Bottom.

3 Tomiorothis Herb. Tubatus Schr. 3. 383. 10 — June oaks. Tunbridge wells in May.
rostratus K. cerasorum Mar. 284. 138

4 villosus Herb. [illegible] 18 — c. May Parent. Norf.
cerasorum F. Fg. 22. 22. tomiorothis Mar. 284. 139. — b June Wrotham, Lincolnsh.
cornus F. Mar. Don. [illegible]

5 Betulae Ste 4 ft. 60 fl.
cerasorum Gyll. Ste — 28. July on falling beyond of Spaniards very com: on Birch, Plumstead w. Ste. June on of Birch Combe & L. Spencer's park.

7 Salicivorus Pk. Hub. 2. 20 fl. 73 f. 12.
arcuatus Mar.
Brassicae F. 2. 283.
8 curvatus Mar. 287 — 3 May abund. on a Birch tree w. Woolwich M: Smith. in July abt. on Sis and on willows Battersea. 28 Hampstead. 8 June Pl. Hill bridge. May flowers of Salix & Cabbage 30th S of Portland. Larva live in galls of Salix vitellina & winters in the leaves which fall to the ground. Boutle. May willow in hedges. 24 Jul. 52. wood. Tunb: wells.

9 intermedius Mar. 288. — May on Sallows. Aug.

10 pyrocerus Mar. 288 — c. May Bingham 9th com. on Oak, Scotter w.

11 Gummus Mar. 288.

12 scutellaris Curt: var of Brassicae F. Pk. 6. 72. — May Norf.

356 anthonomus Ger. C. R. E. 562. Paneu Meg.
1. clavatus Mar 285. 140. à Balaninus Brassicae — London District. Ste

3 Rubi Deb. v. 6. tab 71 f 8. 167.
melanopterus Mar. 289. 151
2 ater Mar 285. 141. — May
June on raspberry & dewberry leaf.
20th Coombe wood Ent.
30 Jul. St Margaretts Dover.
May Sallows leaf.
June

5 obscurus Wilk Ste. 4. 75. — June w: London & Bristol; Nat.

6 Druparum L. 2. 614 Hub: v. 6. tab 70 f 9. — May bred early June nettle; w: London. June

7 Pedicularius L. 2. 615.
avarus F. C. R. 230. fl 22 f 310.
Druparum? Hub. var fl 70 f 10.
8 asciatus Mar. 286. 144.
Pomona Germ: Panorum Ste. — may Rochills: grass in woods: on flowers of Crab tree Nat: abt. Apr. Tunnicwood, Hampsh: of dark colour, Walt. Soft abund: of a pale color, Walt. June hedges Nat: flowers of Dog-rose & Hawthorns; Swansea

9 Ulmi Deg. v. 5. fl 6 f 26–30. 215
Pomorum var: Hub. Druparum Steven.
Pedicularius Germ Mag: 4. 322.
10 Pomorum L. 2. 612 B. 4. 12, 5 & 2. Cut Mag. 1. 34.
incanus Ste, non Pg: — c June, Dover. Le Pleast; Buff: inhabit: the Elm: larva found in the buds the end of May. July Gravesend in County. 25th May pupa & ref. fole Glossum, larva feeding upon them 8th May, 21st. incomplete pupa, 28th hatched. b. m. Mar: Pg flyt in a meadow at Putney & under bark of an old Crab tree; Lud. Pg. m June. Winter under bark.

1 Euphras Under: Schö 3.378
C. nucum var: Ol. 5. fol 5. f 47

Sunniwood & Ludow. On oak, Plumstead w. S. Ster.

Cruy Leach Bale. Ol. 5. No 120 fol 29 f 44 o.

Brit: Mus: Dewar?

Subcrenus Pk.?

3 in Herefordsh: E. Doubleday.
Sweden on Pines.

5. Cucumiferus Cust. Ann. N. H. 5. 280.

16 Aug. off Heath, Fairie hills I of Arran

11 nicurvus Pz. 36.17. Gyl. 4.586.	June nr. Bristol; nibalith Bird cherry
fasciatus Don. 12 fl. 844 f. 3	July, Birch-w
357. Gryphidius Schio — Arachnifus Mug.	
1 Equiseti Fz. 223 Pz. 22.2.	May Brent horse-tail Essex & Rangey marshes. Shilin Equisetum arvense.
micro-gibbosus Dej.	6 June, Swan-pool, Lincoln.
	July Whitlebury
358 Erirhinus Schio. Curt. B. E. 634. Ann & Mag. N. H. 2. 166.	
1 Festucæ Herb. 6.6. 157. f. 87. f. 3.	May flowers of Carex acuta ne nivicus & Cakes
Caricis Hunb.	June Dilsley below Gravesend. B. Smith
	July Cat. Blackwall & Woolwich on Carpus maritimus: nr. Lyndhurst, Walton. Mr. Stich Cowlishe
2 Nereis Pk. 3.260.	m. May in a pond Southgate
inquisitor Steph	June in aquatic plants Harf. Oxford; Swansea
Typhiæ Ahr. 4.69.	6 June abt. on plants in Ditches, Potters bar Sc.
	12 Jul. Lordswood Dejf
3 Arundinetis Ste. 4.80. Lacustrinus Sam. 3.35.	June, Damp hedges, Surf & Cambr.
inquinatus Ste 4.80. Nervig Gyll. Appf: 4,556.	July Whitlesey mere nr. Kingsbury
Cinnamomeus Ol. 5.83 fl. 34. f. 524?	
359. Notaris Germ. Erirhinus Schio. Curt B. E. 634.	
ann. & Mag. N.H. 2.167.	10 Jul. Lakeson fenle
1 Acridulus Lz. 807 Pz. 22.10	8 in aquatic cruciferous plants nr. Dorking & in marshes Harf.
punctum F.	May among flowers & marshes, very com. Harf.
resinosus & trigonus Mus	
3 Æthiops Fabr. Curt fl. 634.	June Gordsh Cotes Wright, Wokham Bryant
Badiusculus?	
Lalondianus Herbst.	
2 Quinquelineatus Fl. 222.	June aquatic plants Cumberland; Bristol; Harf; Hamilton common
Herb. 6.6. fl 82 f 8	Banks of Tyne Nelle, nr. Dumfries: on ne Hill Hanson and Wells Cromlyn bog.
	May roots of plants, Gravesend, Stev.
360. Dorytomus Ger.	
1 majalis Pk. 3.177. Gyl. Schö.	May willows London Moll. Little not rare, Carlisle.
	Mr
2 Vorax F.	Apr. on flower London
	5 Aug & winter under bark of a willow, Southamp. R. H. Greville
3 Tremulæ Pk. 3.189. Sl. 5. fl. 52 f. 520	2 May Dorset. Sallows in hedges & Angel Sl. Harf.
famosus Kirb. M.A. 124.	6 June, Birch-w & Swansend. w. w. Gravesend & Lowdenby Poplars, Knaresboro. S. Walton
maculatus Mus.	
2 affinis Pk. 3. 190.	Apr. willows London
flavipes Dej. Sl. 5. fl 52 f. 523.	May
	11 Jul. gotte Woolmer Forest. 154 & 261 Sal. Sallows. Cambridge.
	17 June Cannock Holts
5 melanophthalmus Pz. Pk. 3.190	m. May Cobham
fructum Mus	June hedges. Sallows Harf.
6 pectoralis Pz. 30.16, Gyl. Schö.	June hedges Cam.
nubilus Mus. var.	To Oct. on Salix Capreo, general.
7 arcuatus Pz. 18.6.	June willows & poplars London
	Jul.
8 Sortrix Lz. 815 Pz. 18.12. Herb. 6.18 f.	May Aspen trees
fulvus Dej.	June & July, willows, Swansend. w. w. Gravesend. Scott. Grev.
arcuatus Ste 4.84. var.	
9 vorax F. Pz. 18.13. Herb. 6.165. fl 71 f. 4	May Aspen trees in abund under bark of felled Poplars, Sunderland, Bridgeness Harf. 18 & 20
Longimanus Mus. & Tremula Mus. &	June very plentiful on old Swan pool, Lincoln. St. Pl. 15 abund. on Poplars, at Stirling.
ventralis Dej. Ste. 4.81.	Dr Lombardy poplars, Edinb.
10 validirostris Schö	July & leaves of Populus nigra and Hammersmith Bridge abund. Mr. Harris
Walton Schö Sup. 7, 171.	Under inner bark of do.

+ fulvescens Sch.
Chamomillarum.

Inter Matricariam Chamomillam n. Ratfar. W. Walton

Scirpi Fab:

May & Aug. Willows Barbarea fields. Brick fields n. Shepherd's bush, Mr Simms
Aug & Dec: amongst the dried leaves of the Typha lay pulling them off.
sides of ditches, Arundel, Stev:
b. Dec: in the stems of Bullrushes, Hampstead. Stev:
July, Whitlesea mere
e. May, Gamlingay, Cambs. Rev. N. Clark

affinis Pk

maculatus Mann sec. Sk:
fumosus Sk. Ill.
Capreæ Chev.

Mar. on Willows S. of Engl: Wimbledon Common on Salix cinerea

— vesicar. Lhs & Lyg. Ob. Sk. Man.

June marshy places, London

contiroshris Schr
tremula Sk
tuberculatus Zett. Schr

June on young aspens, Swanscombe-n, n: Gravesend & Windsor forest
Lombardy Poplars n: Ditchburg, abund.

Salicis Walt. Ann. N.H. 2 S. v. 7. p. 313.

June, Salix cinerea, Wimbledon Com: S. Shr. & Yorksh.

Salicinus Walt. ib. p. 314

e Jul. Sallows, Nowing Marshes, S.B.
Willows Scott W. Little.

agnathus Dahl. Schr
majalis Sk sec. ej. Mus.

Willows n: Weybridge, Rev. Scott W. Little

fuliginus Sturm. Schr.
Bogous Beckwithii K. & Mus.

June on wild Chamomile (Matricaria Chamomilla) on dry hedge banks
road side bet. Low Leyton & Shalford, many, Walton

361. Pissodes Germ. Pinifolius Meg.
ann & Mag. N.H. 1. 395.
/ Pini L. 2. 608. Pz 22. 1.
F. S. 589?

July 1 at Haddington and at Kensington, P. Phillips. Under branches & chips of Scotch fir by the gate by Corstorphine woods, Northumb. J. S. Bold.
Sept. w. Dunkeld Perthsh. & in great quantity of Edinburgh. Weaver at.
Some Pine-woods, Mr Lyell. 20th at Shilung, recd after 16 hours in strong spirits R. H. Greed
6. Aug. Firwood Weybridge. F. Smith. Under wide of Pinelogs Dalmeny Park. & Northumb.

2 notatus F. 2. 561.
Pini M. S. pl. 16 f. 4.
Fabricii Ste. v. 4 p. 88, pl. 21. f. 7.

July Priestwood, Mr Leach.
Fir trees Cowes wood, Isle of Wight, bred by Collins.
Yorkshire, w. Mr Dorham, Norf. under a stone, in old gravel pit. H. Wall.

3 Fabricii Lea. Ste v. 4 pl. 21 f. 7.
pice Ill. Schr. 88

Banks of the North Esk in Montrose.
May Priestwood in Edinburgh. Sent Mr Dom Esq: 3 in Dalmeny Park.
Jedburgh Roxburghsh. Mr Little.
in May in Mr Clarke's garden Highfield.

362. Hypera Germ. C. H. C. 116. Donus Meg. Phytonomus Sch. Procas Ste. Ann & Mag. N.H. 2. 168
ann & Mag. N.H. 1. 296.
Procas Ste / pilosus Mar. 37.
subnubilosus Wk. Mss.

W. Moffat.
May sand pits Norf.
June Hanslop places Battersea Ste

2 hypochaetylus Mar. a var of Dumicola Walton

3 punctata F.
medius Brassicae Mus. Hab.
Philanthus M. S. n. pl. 35 f. 541.

May in Willows & sandy places comm. Norf.

4. fasciculosa Gyl. C. H. C. 116.
fasciculatus Herb
Dauci Ol. 5. pl. 35 f. 542.
stictica Ms.

17 May Norf. under a dead animal & on sand Wetford warren Mr Salmon
Lane & in abundance Mr Deal, under leaves of Erodium cicutarium. Ster
May 22

5 ~~elongata Pk.~~ figurina Schö
~~fusca cinerea Herb~~

July? ab. on umbelliferous flowers (Wild Carrot) by gizzae, Dover Castle
& July Dover, Marshall) Mr Clifton
Bred by Mr G. from Cocoons found under umbels of Wild Carrot at Dover.
on the slopes by footpaths bet. the 2 caves with the Cliff go to Lizzae.

6 pedestris Pk.

7 Arundinis F. Pz 19 11.
Sir Lea Ms.

Ham, Valbergate ditches on Plants, R. Leaves &c. C. on Elm
1811

8 Polygoni F.

Cranford, Battersea field, Arundel, Guildford, Yorksh.
Lane in damp meadows.

Lava in shoots of Pinks, Benchi

9 Arator L.
Polygoni Pz. 19. 10.
Vicia Meigen, Gyll.
pisorum Mg. Ge
9b cancrinus Ste.
var. of S. Walton

May in Cow-pasture comm. Norf.
16 July in a Copse on flowers Radcan
June 21st Gate Burton wd, Lincoln Feeding on if not bred in Capsules of Pinks F. I. G

10 palustris Lea: var of H. Walton

June Battersea

11 Pollux F.
~~interruptus Mus~~ alternans Ste v.
Kunzii Ste. v. non Schö

m. Oct. sand hills Lowestoft. & Ramsgate
June grassy banks, sides of ponds & ditches, in marshy places, Walt.

12 sublineata K. Ste var f. 18.

Cranford

12b nebulosa Ste

13 Miles Pk. Gyll. pedestris Pk.
suspiciosa Ol. Hab.
Litaniatus Mar.

Norwich. Damp meadows & marshy places.
Martin Coulcher Esq. Mr Cunham.

Transformed in an oval case, in the thick rough bark of a stump of Scotch fir. J. I. Bold

6. June, fir plantations Weybridge. J. I.
Larva in May with pupa under bark of fir tree, Gowrian

Micromyx

fuscus Curt. Ann: & M. N. 5. 280. — Abu: of Heath, Black Gang Chine, Walton & Weybridge Heaths. Arundel, &c
July Brach.
June, fine sand, pit Leith hill, Stev.

Prosa: oramulicollis Walt: A. & M. N. H. 2. 168. — Des: amongst moss in a wood w: Carlisle J. C. Weyhead
Stevens Schö: 3, 287.

~~interruptus Mars~~
18 variabilis Steph — 13 Aug under stones Box hill.
Mar banks & sandy places Wmf.
to
June sandy cliffs Corbitha.
July bred from cocoon. J. C.

14 murina F. — Dune banks & sandy places Norf. S.C. 20th Langport Winter under moss.

~~Plantaginis Mac.~~
fusco-vipereus Mag — intensius Mac.
Polly, elongata & nebulosa Hte; var Walton — damp grassy places, Plumstead, Barnes Common.

15. fostrea Gyl.
hæmorrhoidalis Herb?
bimaculatus Mac.

15b phæopa Hte var of 18.

15c rufipes Hte

16 Plantaginis Delg. — amongst grass, not common.

17 Vicia Gyl. — Larva White Mag. bright green (Lepidopt. Lepidopt. Fr. rough, finely on culms of Agrostis vulgaris amongst white & spun off & rolled on leaf n. Bordeaux, S.C.

17b alternans Hte
parallela Stur?
Kunzii Hte. Mac. v. lineatus Herb (not Brit)

17c fuscicornis Hte

18 variabilis Herb. — very abund. on Vicia, Trifolium & Medicago.
bimaculatus Mac, thaumicus Mac.
sublineata Hte phæopa Hte, rufipes Hte, var: Walton — July, Wd Green & Croydon, S.C.

19 Trifolii ~~Herb~~. Hop. — borealis Germ. Mag. 4, 339. — on Vicia Trifolium & Medicago, N. of Engl. Walton.
Major Herb — nigrirostris, var. Gyll
Dichroicus Herb — bimaculatus Don. 18.524? — on Vicia abund. under Tower, Chesil Bank S.C.
Bilineatus & thaumicus Mac. 267.88. var

20 Ranunculi L. — Commonly in June S.C. Lady Wd Spring, fl. 2.271 — 30 July Docks Battersea & not far on marshes on reeds
acetosæ Fy. 42.4. — hyrrhodactylus Mac. 6. — many sandy places.
sublineatus & squamosus & albicans, griseolus & elongatus & Mac. — 28 July found Gorse on a thistle; on which the larvæ lives & is found lying on the plants
21 nigrirostris F. Fy. 36.14. — O white Mac. in dry spring grassy places & sandy spots near open
sulcifer Hte var.
variabilis F.

22 villosula Walk var? of. ~~F~~ n of 18.

23. fuciferes Hte var of melas

363. Orthocraeteo Mul. — 4th May, bank of Gardner hedge, Gyl Wood & in Oct. S.C.D.
setiger Gyr. S.M. 1. 304. — Markar & Stone & Roxborough, N. Little. Epping forest, Chingford Wd. June

364 Cryptorhynchus Silio — Anlacus Mag:
lunatus F. 2.524. Ho 4.89. pl 20 f 5.
rubricus Ahr?
costatus Gyl.
amputatus Ol. no 83. pl 31. f 479.

365 Pleurthus Gyr.
caliginosus F. — Mac
didymus Don. 570.

10 May upon the cliffs, Cowbitch rare on cur the Dittches Hamworth. S.C.
July sandy places Kent.

20 June 3 at roots of a dead thistle, Sandgate cliff. S.C. Brown.
Ten Varieties under stones on western heights, Dover
Highgate, Mr Muskett. Coombe wood & Charlton wood.
Aug. at Dover.
Feb under a stump of thorn bushes, Torfield, at Repwell Bay, Dawson.
8 May, Dawson took 36 at Dover, in Aug.

5 tigrina Schö

w. Dover, Mr. Clifton
c. July Dr. Marshall.

meles Fab. Schö
Trifolii Gyl Herb. trivialis Herb.
Plantaginis Mar. Raselii L
murina Ste.
pulpes var Ste.
mixtus Schö.

w. Ross, Renfrew, Sprg.
w. Lauderdale

May mp. Deal
June, c. Walton. Cheril bank, S of Perth. Not Deal in abund: in May
Sept. Dr.
Fr. n.

Limobius Schö Ann. Nat. H. 1, 300.
dissimilis Herb. Gyl. Zool. 3. 850
Juniperes Curt. Ann. N. H. 5. 280
~~subsiperes Ste~~.

June under stones, Nattram Bunrad w. Bideford.
Salix & Geranium pratense Kirkcudbr. Mr. Walton
Camb: Mr. Babington. Newcastle, Scotland.

Trachodes Schönh. Schö
hispidus Linn. 3. 542. 2. Schö: v 7. p. 12 ~~Gyl~~ 444 c May 50, w. Wallis on Comm. New Br. on ye bole of a felled oak, J. Walker.
squamifer Gyl. Ann N. H. v 9. p. 204, 2d Ser w. Leicester, Mr. Mast.

366 Molytes Schö. — Liparus Oliv.

1 germanus L.
fasciculatus F.

6 May on a chalk bank in a garden at Charing Kent, Mr Marshall
June ~~Essex~~ Ab. in nettles in Combswood Essex & Hastings in woods

2 anglicanus Mac
coronatus Schö.
germanus F. Fy. 44. 16. Dev. 24. 2.

May chalky & sandy places Suf. Eastham Norf.
in Jul. Dover
may come on Hart's tongue fern, Scolopendrium vulgare for Paganus, F. Holme

Leiosoma Germ.
3 punctatus Mac
ovatulus Schö.

May roots of grass & sandy places Norf. 10th 2 mm S. Mac
June Ab. in damp woods, Stirling.
2 Feb. Dam Clarke Scot.

367 Hylobius Ger. — Lac. Gen. 1. 249
1 Abietis L. Fy. 27. 12.
Pini Mac 289. Dev. 15. 529

June Kirkcudbrightshire woods at Dumfriesgate, Cumberland, & Argyle Norf
Feb & Feb. Hollins on Equisetum in a marshy field at Holywood.
2 May not said to me. In fir plantations, Chamwood Forest, Leicester N. H. Bates.
may Rothurchoo in the Pine woods of Scotland & Sweden

368 Pamphagus Ger.
1 Lemnae F. Fy. 17. 10.

6 May Rougham on leaves of Lemna
6 Mar. Ab. June sides of Mont. Angus Park nr.

369 Alophus Schö. — Lepyrus Ger.
1 trigeminatus F.
Pini Mac. Dev. 5. 444. 1

May sandy places under trees Norf.

370 Barypeithes Ger. — Brigus Germ.
1 Mercurialis F.
Scidii Mac. 1. 307.
tomentosus ib. 270. ♀ — Torricola Mac. 8. M. 5. 173.

in June & Jun grassy fields Knaresboro' Mr Walton. Mantor Fly & Ab. S. C.

Meriscus Mag.
2 elevatus Mac.
Bohemanni Gyll.
carinatus Mac.
morosus Fab. F.
3 obscurus F.
pilosulus Mac.

1 June in an Oak wood Wrightsham, off the grass under trees, Mr Walton.
June Cambridge in Norf.
Mar in moss, Cf. Wood. J. C. D.
May in hedges & hedges. Mr Barypeithes Pomonae Dam. 1. 2. 3. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42.

Trosiphorus Schö. Ann. & Mag. N. H. 1. 301.
2 Mercurialis Fab:
Acidii Mor: var
Tenicolor var. Hum: P. M. 5, 173

18 May Broad alder
June on Mercurialis perennis, shady woods, Mickleham: Yorksh. Walton
Meadows & moist in woods Yorksh.

4 singularis L. asper Man. squamiger Man.	Apr. sandy places Lucettes Hants & Hedges.
5 scaber L. septentrionis Herb. Schr.	
6 rufifrons Gyll. scaber Ste Mus. ruficollis Ste	May Dorset & S. of England c June under stones n. Chard Cank m. Jul. Dover.
7 ovatus L. fabulinus Fg. 57. 19. ros a Delg. vorticosus Schö.	b. Aug: Littly Hampton. Ster 14 July Norning. var. 21 Aug. Hampst. Apr. May Copenhagen fields. sandy places Mot. June Black thorns. Hedges Hampst com.
8 Dilluoyum K.	Scotland 14th under stones n. Newton
9 Lunatus Man. caudatus Ross. bisulcatus Steph non Fab.	Marsham's Cat.
10 tenebricosus Herb. q niger Man. Pk. B. Dor. 15. 533. 2 & 1. 34. 2. Morio Pk. q	varobinulatus Schö. Gyll. 7. 265. ater Gyll. 3. 292.
11 atro-apterus Delg. nigerrimus Man. Mss. ater Ste Ill. niger Ste Man. apenarius Ly	May. sandy places n. Grey & on Black thorns. June Isle of Portland. in myriads in garden at Lucombe destroying roots of strawberries, raspberries, gooseberries, currants b. Sept. Hedges Gl. Mort. 28 Apr. sand under flint stones Mortal. n. Downs S. of Wilton
12 ater Herb. niger Fab. maritimus Dor. 15. 533. 1. ~~pumarius Herbst Lyphanus Man Ms.~~	villoso-punctatus Schö. q Clair. m. Apr Berne n. Dorchester. On hills, sain banks by the shore n. Edinburgh R. M. G. May Dorset. under stones, sandy Downs S. of Portland b. Aug. sain hills, Roundstone. May Babicomb cliffs Devon. c June Liverpool: sandy Downs, under stones S. of Portland
13 Longipalpus Gyll. Monticola Germ.	Ste. Ill. Schö
13b caliginosus Ste	m. Aug. under stones, Arran I. b. Scotland Little & Greville
14 fuscus Man. brunnipes Oliv.	m. May in immense quantities in fodder Bracwood, Rougham & under thistles June sandy places, under stones Mot. Sand pit, Leith-hill, Ster. July common in hedges, sandy districts Walt.
14b pellucidus Chev brunnipes Ol.	
15 scabrosus Man crispatus Dej. Cat.	b. June Darent Lane. 29th Clifton May sandy places & rivulets Mot. b Aug. beneath stones under cliff Milton. Black & hole thorn hedge n. Ryde. Walt.
15b scabriusculus K. lignicus Ol.	Schö
16 maurus Gyll. ruficollis Ste?	b. Aug: under stones, under cliff Milton, 1828. m. June S. n. Milton sandy & gravelly localities, Walt.
	June & July, under stones n. Ambleside & in Scotland, orders of mountains Schill hills, I. C. D. summit of Hartfell, & in Hallestles wood. Skiddaw; Marshall.
17 vaneus F. tristis F. S. fulvus F.	May sandy places Mot. & Gravesend. meadows n. Hammersmith & Hampst. Mus.
fissirostris Walk.	Schö: Mar: torpid at roots of stunted heritage under thorns, Dawn: Regent Roy. June in a gravel pit, Plumstead Com: Ster. & Smith. July

pabulinus Pz. 57. 14. Walt. confinis K.T.	June plent. ann. hedrage, hedge bank in a lane, behind Bale Inn, Bucks. Walt
ebeninus Schö	West Highlands, Scotland, R. M. Greville.
fuscipes Ol. Schö Bagi Chev. Schö hypolanus & Sacer K.T.	June I of Portland under stones; Walt.
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	Apt heat out of dead grass at bottom of ditches, Ashham bog & Mapperton May Mr. J. Wright
septentrionis Steph. Schö.	Rannoch, Doveroft. Mus. S. Stev. June Ab. Dennsh. P. Elmolie, S.L.

373. Inachus phalangium Fab. — Ann. N. H.

scaberrimus.

1 tessellatus Mac. — Schö

nigricans Kg. Ste.

scabriculus Pk. — Gyll. — Schö

1b confinis Ste

bifoveolatus Mach.

grisescens Kg

2 ventricosus Fab. — Step.

Waltoni Schö 7. 115. — Ann. N. H.

3 scabriculus L.

bispidulus Mac. — N. n. 83, pl 31. 276

setarius Schö

scyllarus Schö Sup. 7. 117. macularius var. Schö

5. Spinimanus Fab.

6 digitalis Gyll. — Step. Mac.

occultus Mac.

Cnorhinus Schö. — Ann. N. H.

374 Phylacites Gr. — Philocedon Echo. Step.

1 geminatus F.

maritimus Mac.

albicans Schö.

2 parapleurus Mac

scabriculatus Mac.

squamulosus & lineatocollis Kg. Mss.

3 exaratus Mac — Ann. N. H. 2.

4 plumicornis Mac.

serrhiatus Mac.

374b Strophosomus Bilk. — Rhyncolus Germ.

Ann. N. H.

5 Coryli F. — Pg. 19. 12.

capitatus Dalg.

5b rufipes Ste

6 Asphenfoliarum K.

7 obscurus Mac

Coryli Pk. — Gyll. — Schö

7b cognatus Ste

nigricans Steven Kg

nebulosus Ste.

8 atomarius Mac.

salicinus Echo.

9 subrotundus Mac

10 nigricans ~~Dicby~~ Step.

11 scabriculatus Mac

July Buckwood, S. Ste.

June sand-pits, gravel-pits & sandy banks Hampst heath, Plumstead Charlton & Birchwood, Walt.

June gravel pits, Shirley & Plumstead Commons, Ste. & Leth. bill in sand pits. Kg.

July. n. Bridgenorth Salop, Mac. & Ireland, Waller.

June Combe. dead on Ulex - Com: Cumberlette P. scaber.

Blackford hill, Scotl.

July, Birch w.

Feb. Pegwell bay.

5. Aug: Brighton: n. Arundel, Ste.

Corne - Norf. Winter.

Feb: Pegwell bay, on bare places, near of beach, Daw.

15 Aug: off sedges in Ditches near Sandwich.

in May not uncom on sand in warren, Hetford.

May sand banks Corbiller. I. of Portland

6 June Bristol, Barton cliff under respectamenta

1st June on short grass sandy I. of Portland abund.

sandy banks n. Barton - on abundant Cynoglossum officinale, Walt.

shores of Bristol Channel.

Bridgenorth, Marshall.

24 June 23 in perfection, dead, on sand hills on Mendon Common, Lincolnst.

grass & rushes, boggy meadow N. side Hampst heath, Walt. & Wollaston.

Corn. in meadows, Hammarsm. Ste.

May Nut trees any com. Norf. & on Birch

Knila in moss, Putney, Lad.

Radcliffe.

4 June Elmington wood

in May hedges Colney heath.

July Low underwood & Hitch-heritage, Bishop's wood. Hampst. Walt.

Aug: Birchwood

6. Sept. Yorksh.

June Combe.

8 Oct. 17st. a heath, in fir Plantat. by Hobbes, Parry, S. C.

Cranford Park

squamulatus Ol. — Schs. 2. 492. — Jane Bush-w. & Bishopstone, Hampshire?
aristatus Gyl. 4. 613. — sandy banks Windmill hill, Gravesend. Walt.
stipulatus Germ. — Feb. Pegwell Bay.
hirsutulus Sch. Ill.
octonsk?
maculatus Schum?

[illegible]

21 January Schö 2. 493. — Jane sandpits nr. Charlton Cht. Kent.
Surg. Brighton, Arundel & Chichester districts, Sussex.
Feb. Pegwell bay; Dawson.

12 squamulatus Pers. Man. — non Rob. — very com. in Cornwall, C.P.R.
alternans Schö
oxyspermus Schö
13 lenenus L.
retusus Mar — Ste
affinis Dicks. obscurus K. Man.
13b hirtellus Schö 8.399. — Ann. N.H. — Feb: amongst moss at Arundel, Stev.
at Southampton, Walcot.

13c chrysocomus Ste
Faber Hub: — Genn. — Solw.
incubatus Mars.
— June damp meadows, Walt.

14 ~~incubatus Mars~~ fulvicornis Lat. Walt. Ann. N.H.
~~Luc K.~~
~~Faber Hub.~~
— Sept Parley Heath. Com in cf Scotland
6. Oct. Parley Heath by Dobbies. 15th Oct. in the fir grove then on the heath
2 June in Lowel Replanted 2. off Trees. 27. Bournemouth. J.G.
2. Apr. Dunton's heath
10. June Thetford. J. of N.

15 piloselloides Gyll. — Ste.
Sus α β. K7

16 septentrionis (Herb.) Steph
Tectorus L.

375c Scriphilus Schö.
17 murinatus F. — Ent. Trans. 1. 183.
setosus Mar.
— June sandy places
6. July, Betula alba sand.
28 Apr. off Black Heath Gravelly.

18 asperatus F.

18b pusillus Ste

375d Ouvias Gyll — Brachypterus Schö?
Ann. N.H.
19 hirsutulus F. — Mus.
Ill. n. 83. U. 31. 478.
— 18 Apr. 23 not uncom. on nettles Downham
5 Jul. 46 Mr. Stainton. Barkew.
May Whitlam Ridge on gravelly rocky soil, Grassmd, Michelham, Shirley Com
June

375 Litorea Gyll. — Ann. N.H. 4. 66. — Litorea Schö
Nitidula Gyll.
linearis Pk.
ambiguus Schö. var.
1 albescens K.
affinis K
lineatulus K7
— 2.M. 5. 5.

2 crucifer Ill. 5 — L. 35. L. 552. K. 2. 5. 7. 4. 09. Ill. 2. 19. 10.
meandrinus Mar.
lineella & albescens Ste: var
2b pallidus Ste.
— May: in abund amongst young Pear, Bradiston Norf.
June in profusion amongst Pines Michelham & Birkwoods Walt. also Yorksh.
Scotland K.M. Greville.

3 disjecta F.
adjunctus K.
— 2 July, Colchester
31 Aug. Dammersville. very com. in chalky & sandy places Norf. Stonewells, Fenton
15 Sept. on cheapruches on sand hills Bournemouth & Sandgate
Oct. on the mud margin in Ottbile in abundance
Sept in abund in moist grassy fields in Yorksh. J.M.

4 Fleuritica L. — L.M. 5. 5
obscurata K. var. J.M.

5 Emarginata Ste
Thoracica Steph Ill.

6 Sharpii K. — L.M. 5. 2.
Regenbrunensis Schö 7. 155. Hab:
Ulicis K. var
— 2 June Wrentham:
in May Hatfield. & Wilton. & Denton.
22 Apr very com. on Broom Norf. & Cosmb. co. Carrow Fairy also, Yorksh.
March
Autumn on Broom & Furz.

Cinbatus F. Sus y K7	Pk.	Gyf.	June on Calluna vulgaris, N. & S. of England, Walton. abund. in sandy fir, Leith Hill, Sur. Oct
O. villosulus Germ.?			
O. Batemanii Germ.	Schö.		June in a meadow, Stamford Lincolnsh. J. V. Wollaston. York, Newcastle & Chesterfield Ches.
O. calcaratus Schö.			May, Mandson n. Plymouth; to 23; Manor, Mount Edgcumbe. J. V. Wollaston. Aug. Scotland, Balmoney Pk; R. Mugville.
Waterhousii Schö	Walt. Ann. N.H.		30 Oct 48, on the Broom in Landslip in front of Mr Lover's seat, 2 miles fr. Hastings Walton

6 Ulicis K.

7 subaurata K. — Ste. — 12 May in Hemsands in sand pit Dunton, Wilts. 18th Gt. Wood

Hieracifolia K. Mss.
salicifolius Huds. — Gem. — Selis. — 6 July, Bordeau.
Spring Hab. abt. among grass in hedges, Malt.

8 Tibialis Curt. — Curt. 5. 5. — 9. 14 Oct. Broad alder Gt. Wood

chlorophus Man. — Pg. 14. 14.? — 8 May Wilton
Marshy copy on Pungin Spikeh.

atomarius Man.

9 hemerobis K. — 26 July Ashdown forest.

fronsfitius Selö — 15 May in the Clay banks Sandwich. 26th Greenhithe.

9b Pisi Ste. — 16 May Gt. Wood.
June on oaks, birch & hazel in woods of Hert & Surrey
Sept.

10 nigricornis Man. — on May Dorchester.

11 grisea Fabr. Man. Banks. Selö
lineatus Fab. Man. Banks. fuscus Man. — trisulcus K.
gressorius Fab. Gem. Selö

12. flavescens Man.
8-punctata Selö 2. 102 & 6. 269. — May Ryder
10
Oct: abund in grass fields, Walton

12 nigricornis Man. var.
griseus Man (non Fab) var.

13 canina L. — Gyll. Step.
a var of 10 Walton caps in E. M. S. L. not so S. 256. — 16 April Hampstead
31 May Hammersmith Wm Bacon wood
21

15 chrysita L. — Gyll. II. 389. 2. Ent. 7. 408. 2 f 1-8
Mus L. — E. M. S. 3.
chlorophus K. Mss.

16 punctipennis L. — E. M. S. 2. [illegible]
insulus Selö: 2. 103.
8-punctatus Germ. Ins. Spec. 416. 3.

16b longicornis Ste

6 May Sandwich hills Sandwich. 25th Darent
Spec. common upon broom & furz. Stev.
6. Mar 6. Apr: eating off the flea beetles in Hertford & Stafford.
in April 5. & beans also in Isle of Wight.
6 May said hills Sandwich, N. of England
common in Hors. on Spartium scoparium. Sweeping grassy fields
Yorksh. Cultivated in Scotland, Walton.

16c subcornicis Ste.
rufipes Man. — non Lin.

Wilts & Yorksh.
June abund among grass in moist field, west side of Barnes wood, Hampst. Ma
Hackney marshes.

17 cambricus L.
rugulosus Dej.
fabricellus Selö

6. June Belmont wood Yorksh. Mr Walton & Wales. Devon & Cornwall.
July Hampstead, Plumstead & Barnes Common in marshy places, scarce; Stev

18 fusca Man.
trisulcus K

29 July Shetland
May common Hors. Convolv. on side Cordillera

376 Polydrusus Ger. — G. B. 2. — 7. 8. Ent. May. 5. 5 – Chev. M. N. f 61

1 amoenus Man. 11
Rubi Gyll.

2 confluens K. — Ste. Ill.
amoenus Ste
perplexus Dej: Echo Sept. 6. — Chrysomela Selö 2. Mus Mus.

Metallites Selö
Chev. M. N. f 65. 3 marginatus Ste
ambiguus Selö

3 fulcifolius Ste.

June on Ulex europaeus, Lyndhurst, on Walton, Plant Jd. Muddmill hill Gravesend.
July on Broom Plumstead. S. Stev: Charlton & Weybridge T. Bonnemouth.
Sept.
July Birch-wood on Juniper in Island.
2 June Black Park & Windsor forest, on young shoots of birch & oaks. Stev.
May
6 May 21. in profusion on Juniper, Birch wood S.C.

Melilotus Walton E.M. 5. 256
geniculatus? Schö

Inne on Trifolium Melilotus, Charlton pits, S. Ster.
Inter Trifolium officinale J. W. Yorkshr.

4 cerasinus L.	May
Iris F. mosso Hal. mucronatus Hal. var:	June on Nettles.
grisco. avenus Dely.	young shoots of oaks & birch in woods; Walton.
5 melanotus K. Mo. var. Sch.	
6. sericeus Steph & Cyll.	May 1st June fine grass on exposed rocks, facing Hurstea, Somerset, Walt: J.G.
fulcatellus Steph: Mono: p. 249. var	June under a stone gravelled, banks of Hamoe Lanny more
Chrysomela Ol. Schö	late by on Walton & at Burnham, on Bristol Channel
7 micans	6. June hazel Dorset. skirts of woods: on nettles Ketteringham Norf:
Pyri Mar: Cat. Linn Tr. Dan. 4 pl 121. f 3. 4.	9 May not Crowley, w:
	June Swanscomb co: w: Gravesend: Walt.
8. flavipes Dely. var.	June on Betula alba Lef. 6. M.6. Hazel & other trees in woods.
sericeus Hal.	
Stergomalis Schö Suffr.	
9. speciosus Cuct. B. E. (1829) 278. Steph. Ill. 4, 165. (1831).	June on a wood n: Kimpton. Hunts.
planiscos Dejeu	
sericeus Schall. Cyl: Schö. splendidus Hal.	
squamosus Germ:	
10 undatus F. Ol. 5 n° 83. pl 35 f 553.	6 June Dorset abund on oaks. Hazel woods, Leicester, com.
selenicus Mar 259. 96. rufipes Linn?	in May Bree-wood Kingham. 6. Abund: Crowley w: on Oaks
pretiosus Dely. alba fasciatus Hal.	
11 fuloricornis (F. Cyl) Ste:	In May J.J.
ruficornis Bonsd.	
370 b Nemorius Dill.	May Black thorns in hedges com Norf.
12 oblongus L. S. Py. 19. 15. Hoss Ent.	July " & in woods
mufscens Mar. Florida Hab:	
377 Phyllobius Schö.	Ent. May 5. 6. Ann & Mag N. H. 57.
1. Pyri L. S. N. Sam. pl. 2. f 19. Py. 107. 6. Ste: Ill. 4. 117.	June Hazel bushes Ketteringham wood. Norf.
aeruginosus Bonsd? Kirby	6 June in Alders, boggy woods & banks of rivers in Yorks; on Birch in Yorksh. Walt.
calcaratus Fab: Schö.	
2 Cassius Mar.	6. June on Willow & alder com Norf.
	July
3 Alneti F.	May on nettles very com Norf.
cinereus Mar	June on Umbelliferæ, sides of hedges.
Pyri Cyl. Schö	
4 maculicornis Ger: Cyl: Ahr. 9-12	6. June found in abund: on a Poplar, Regent's Park: Darent. Hailing. Harrietsham
the S. has a broader thorax & other length Rem. f.	June Yorksh. Birch w. Micklham, amongst grass, Walt.
5 argentatus L. Dan 3. pl. 107.	May oaks & hazels Suff.
Urtice Dely.	to
	aug
6. Mali F.	May Nettles com Norf. 23d. Gl. Wood
fulvipes F. v. Padi Bonsd.	June amongst grass: abund: on Oaks & St. trees in o. w. woods, Walton.
vespertinus F. Schö.	aug.
Pyri Linn. Mar. amœnus Mars.	
7 Pomona Ger { Ol. 5. n° 83 pl. 35. f 548.	6. June, v. abt amongst grass Rackney marshes & in Yorksh
Ste	
uniformis & albidus Ste.	
8 uniformis Mar Schö	6 May hazels Norf. com & Black thorn hedges & Umbelliferæ
fulvipes Pk.	6. June com: amongst grass Knaresboro'
fasciculus (F. non) Cyll. Ste.	m. Jul Dover com:
Pomona Schö Suppl. 7, 35.	
9 albidus Ste	
canescens Lea	
10 minutus Ste	
11 viridicollis F. Py. 19. 13.	on Artemisia campestris in Sweden
	n: Edinburgh on Alchemilla vulgaris. very abund: D. Grewille

flavifrons Dej: Schö
argentatus Oliv: — Brit: Mus:

flavipes Delj: Gyll. — b. Inc. amongst grass w. Hammersmith bridge, Stev:
Windsor & Hainhalt forests.

* calcaratus F. — Inc. not unfrequent in Stirling. R. H. G.

parvulus F. Gyl.
fulvipes Pk.
argentatus Boisduv

378 Tarynnecus Ger. Schö

1 fulliatus F. Pg. 14 5.
canescens Kab.
diffinis Mar
affinis Ste.

Sum Kaule & Nov. Lincoln
July Buchan.

379 Cleonus Schö. Lepus Lat. var

1 distinctus F.
ophthalmicus Pg.

2 nebulosus L.
cinctus Dej

3 glaucus F. Pg. 14 6

4 sulcirostris L. Dm. 15 5 7.

379b. Bothynoderes Schö. Cleonus Schö

5 albidus F. Pg. 14 7

380 Lixus F. B. E. 542.

1 Ascanii L. Pg. 12. 13.

Kirkall.

2 parahlectrius L. Dow: 10 348. 2.
Phellandrii Dej 5. 22. Mus.

July on Phellandrium, Sole, &c; Dee & marsh in: Cardiff

Lawn in Stoke of Phellandrium

3 productus Mar
parapletrius Pg. 6. 15. Linn: Lab:
turbatus Gyll.

July on Phellandrium, Waterparsnip &c

Aug: Sidus Haberyate marshes Kaf: on grass at in marsh in: Fulham

4 angustatus F. B. E. 542 Mum. & E. Comes v. 6 p. 14 ff. 7 N. p. 2.

July on aquatic plants in: Shoreham & Hickstead Lower: Sydenham:
on Sept. off grass in: Glass and Rastings & 25th Sept. at Wolverhampton
25th October Thistles Lam: & S. Walton: 1848 at in Meadows woods. Vine Mag. Lower
Sept. Dent 1848, under leaves of Erodium cicutarium, on & and at & shore, &
infus. of 100.

5. lateralis Ste. var.
bicolor Oliv:
marginalis Curt. var

381 Larinus Ger.

1 Sturnus Kirb.

Rare on Thistles in Kent Gal.

381b. Rhinobatus Meg Larinus Schö

2 planus F.
ebeneus Mar. Dow 15 5 6
Carlini Oliv: Schö:

On Fine Flowers Rev. C. Morris, Dorford. Kent.
June at Thistles Carlisle, Sept & Gl. Wood. 2nd at on Thistle Common magnificent
July 20th S. S. Smith; Wallflowers on Rocks at Hawley, Hants

382 Rhinocyllus Ger.

1 thaumaturgus Kolf.
Cardui Dow: 15. 512.
Calcitrus Lat.

June, Thistles.
July, Black gone, Sand S of W. R. D.
30 May out & 2 Jy. on Thistles S of Portland. Found in Thistles on Fleur of Scotland
in Aug: Larva in receptacles of Carduus autumn, Dow 1 8. 1845 p. 77. Brachycerus bed from

383 Magdalis Ger. C. B. E. 212. Curculio Dej

1 Cerasi L. Magdalinus Schö p. 88.
Rhina Gyll. g. v. 3.
Barbicornis Ste: non Lat.

Pinus

Aug. 1848.

Found on leaves of Prunus Padus & Cerasus also of Rhododendron eating & epidermis & marking the leaves with spots.
2 Aug. Tunbridge
July, Blackthorn hedges.

2 carbonaria L. C. B. E. 212. Gyll. g. v. 3.
stramineus Germ. - Gyll. v. 4.
atratus Gyll. P. v. 3.

19 June a fr. on a hazel tree at Ambleside, 1827.
Castles, Dumfries. Newcastle. Carlisle.

3 Myrtilli Mar: var: Gyll. Schö: Curt:
sterrima F. Germ: P
stramentarius Mar:
asphaltina Ste. P.

6. June of Sloe, Dartf: Cherry trees in hedges
June in Anthriscus on an elm root with bark at Bexley Castle, Rev. S. Smith
July on Elm trees at Gravesend & Mortlake: Fidler Stephens
10 May found on the leaves of Carpinus, Sc.

Dorlastus Gyll
fasciplectricus Fig.

Larva & pupa in stems of Hemlock, Ginn: Rev. Zool.

Bogo found in June in holes made with the rostrum in the stems of Malva sylvestris & L. Malvacea; as many as 5 larva together, they feed on the pith & pupise there; the beetles hatching in Sept. E. Perris. In stalks of Althea rosea, Mulcomne.

Walton

2. fasciegmatacius Nob: Gyll.

28 May 40. W. Little, Dalmeny Park, in marshy ground.
7 June 44 ♀ at Stirling. R. M. Greville.
28 July 43 ♂ ♀.

3 do, Malpighii Gærtn.
Cerasi P.

Amygdalus Tourn.
2 Prunus L. Engl. 3. 82. – Curt. Scho.
calycinus Ste
nigrans Lam.

383b. Panus Schr.
5 barbicornis Lat.

Sloes on Churchyard & Prunus fruticosa Sloe & some Prunus
Aug. Bagnigge
Sept. on Blackthorn hedges.
Lower Sebastian & Aug. Sept. on Plum & apricot

Sowed British in Dec. Ann. N. H. p. 56

384 Afrion Hab. Gr. B. Gr. 211.
1 Pomona P.
cærulescens L. Ulf. 4
glaber Mart. var.
2 tubulatum K. pl. 11. f. 5.
} platalea Curt. Ob. not Germ
2b Marchanii Ste. g. Scho. P.

Curt. Mag. v. 5 p. 8 & 254 – Ann. N. H. v. 13 p. 444
Mar. on Juniper bushes, Bicklow, Walton in cop.
[illegible] Juniper bushes. Found four fors of Vicia sepium by S. Walton
M. S. of Cuke, Parley Forest
S. Sto. of Scots Lamington
July on Yew bush Ch. Ann.
[illegible]
July on Salix fragilis
Aug. E. Yorksh. S. of W.
Sept. Bletchingly Cotte near picturesque, Woll.

3 bracca L. Gærn. 1. 2 f. 2.
β rupicola K. Curt. Gærn. 1. 2 f. 2.

reared from seeds of Bicl. Gærn. in greenhouse
in Oct. off Hedges, Parley Forest, on Oak Ann. Mag. 18. 79 & Walton
in July at in – Hampshire at Hartley Lands in Hamble – on Ashes
Linn.

4 Platalea Gyr.

5 Genii L. t. 1 f. 13.
foveolatum K.
intrusum Gyl.
plumbeum Steff. not Germ.
6 vicinum K. [illegible] f. 3.
Lotti Gyl.
microsatum Gyr. [illegible]
7 Juvillum Gyr.
} 7b adventicum Gærn.

in Aug. on Bicl. Gærn. in Sussex in Herb. W. Walton. Low Barnsgate Wood
July Hampstead Nat. Edgware, Ste.

8 Lum. Grothe. on Birds Foot Trefoil.
in profusion on a Black Thorn, Prunus spinosa on hedge bank of rushy ditch
Yorksh. S. W.

Dorking, Watts.

8 Aug. at Arundel, Ste.
Sept. at Rye Land nr. Brighton. W. Walton.
abund. Kirchin. on wild Thyme, Thymus Serpyllum, S. W.

9 subcrescens K. Scho.
cinicum Gærn. t. 3 f. 12.
Salicis Schr.
9 confluens K. [illegible] f. 5.
stolidum Gyl. Schr. not of Gærtner.

in Sept. Sandgate, Bicklow, Hammersmith & Arundel S. Ste.
Aug. in g. numbers on willows grow. in hedges on Pt. side of Hastings &
among the grass in Yorksh. S. Walton.
Sept. 13
11 June in abund. in grass fields, Bicklehan, W. Walton
July, Bicklow.
Aug. Brighton & Arundel on very dry banks, S. Ste. raw. he says Gærtner's A. is distinct
from confluens.
June on Pinus Abies in. in fields of Clover Trifolium pratense, Low Harrow;
Blackfield nr. Southampton, Gravesend, Shirley Comm. Tunbridge Wells.
Sept. 16th Aug. 30 abund. on dying flowers of Anthemis cotula: conidia & receptacles on which
the lines were. Mr. S. Walton.
Aug. in sand hills on Ipswich Racecourse Rev. Hoffand
6. Sept. in grass & thistle field opposite Bull Inn, Bicklow. Mr. F. Smith 1814 & 1807 S. W.
July S. Ste.

Aug. on Mallows
June com. on Malva sylvestris.

10 Bookeri K. t. 1 f. 18

11 Convolvulorum K. Germ
Convolvuli Schr.

5. Aug. S. off a small Hayrick in a rough field nr. Epsom, Little Humpton 1840 & 41.
in Kent. First discov. in Hampt. by myself about 1816. In profusion at Arundel

12 avenæ K. Gram.
clavicens Mart.
avenæ Pg. 23. 12.
13 Cactivii K. (not of Steph.) Ste. Ann. N. H. v. 5 p. 281.

14 Euphorbiæ K. Gærn. 1. 2 f. 14
rugiolla Ste. v.
punctatus Ste. non Gærn.

on Euphorbium Pinney & Gardner com. in Yorksh.
acanthium

63 Waltoni Curt. Mss. is pravidum — 5th July J.C. Sept. in abund. at Pye Comb. nr. Brighton Mr. Walton.

Hedyoari Walton — May on Hedyoarum, Darent & Greenhithe, J.W.
livescerum b. Sch.o — June to Oct.
hamulatissimum g. Sch.o:

33 flavimanum Schö — June, Gravesend.
juniccornis Watha. Ste. Man — Sept. at Pye Comb. nr. Brighton, Mr. Walton.
6. Oct. nr. plent. on herbage under hedges in park behind Ch. Meikleham, J.W.

34 stolidum ~~Wätab.~~ Germ. — Aug on Thistles nr. Brighton
confluens Gyll. Schö — July nr. Hammersm. bridge rat. plentiful J. Stew.
11 June gt. numbers on cliff pasture opp. Juniper Hall Mr. Meikleham. J.W. & J.

15b rugosum Lin	
15c fenestratum Gen Stif. same as 16	
16d nigrescens Stu same as 22	
15 Cardiosmum K.	
Scorbi Mar.	
nebrosum Gyl	
Tumidum Stev var	
16 Radiolus L.	
squamosum L. var.	
alternans L.	condensus Gren
nigrescens Stu	validum Gren. Sebi
17 Malva L.	
18 verrucosum L.	
Lychnis Fg. 17.8	
concinnus Stev	
19 nefroshe F.o	
malvarum L	
Trifolii Mars. non Lin.	
20 hallejus L.	
vermiculatum Gren	
20b Greshachii Ste	var.
21 flavescens L.	
Sagittalis	
Trifolii Mar. var.	
Sagittalis var.	
africanus Ward.	
22 Vicia Pk.	
difficile Kirb.	
Greshachii Ste.	
23 obscurum Mar	
24 Diffusum Gren	
rufescens Gren	
compressicaule Dec	
25 varegatum Gr.	
Nanlomatum Gren	
flavipes var. c Gyll	
26 Lonicolle Kirb.	
Dissimile K. Mo. S.	
27 flavipes F.	
cambrum blackwg.	
28 astrogum Gyl	
Trifolii Lin.	
rufescens Gyl	
flavescens L.	
28b Leachii Ste	
29 assimile K.	
flavipes Gyll var B.	

Aug. Isle of Wight Mottistone warren
June common Hastings
Aug. Wood on old road to Milton, Sc.
Aug:
Aug. Hastings Common
May on Sandstone Undergoes its transformations in the stems of the holly hock
Longstratis
June N. of England, & abt.

June 1811 in patches of Trifolium & lucerne battles in Oct. 1811.

July. In stalks of Mullein at Oldham
June abt Brentham
May Roof on Hamilton. Malva sylvestris. Rubi & Corylus, Cambridge & Sparsholt
May in abundance Tilton common at Cabulum in 1809 Sc. Windmill hill Gravesend
25 Aug. Milton
June, Scotland.
Oct.
June abt Brentham on mulen & lucerne.
May common rose on Mallow.
6 Oct. at London & Gosfield.

June Dorking
Aug. Arundel
Sept. Lancashire Plant Oct. on rapt grass on banks under hedges. S.W.

May very common on Mallow Enclosure pasture in Cotes meadows & pastures

Left on lawn & image on heads of Trifolium pratense Prof. Hudson & Miss M.
June from field Coventry 30 imagines reared from red clover.
19 June Bell Hill. Vicia cracca, Bruce & Gyll. very common plant.
July, Pagham Medicago sativa
Aug. S.W.

do.

10th Nov. feeding at 4 Croydon road & lay under Blackheath.
5. Aug. Brighton not uncommon. Stev. & Little Hampton: at Arundel common
12 Nov. 11 Oct. Mitcham. Left. Gardings on Polygonum Hydropiper abundant. Scott.
10 May sweeping at Dulton
5. June, in a red Clover field at Birch: at Flemingal, Wat.

July. East Isle of Sheppey - sandy bank, windmill hill. Gravesend, Wat.
Sept: Sandgate
5 Aug: Little Hampton, common, Stev. at Arundel, common - at Ryde

May common upon Trifolium repens.

In and meadows
6 June in red Clover fields, at Herne Bay, Kent, Waston.

June upon Trifolium medium
Apr: in red Clover fields, pastures, meadows & hedge banks abundant
to
Oct.

14. acicularе Germ.

on Cistus Helianthemum in Germany

Germari Walt. L. N. A. 13. 256.

m. Sept. v. Oct. on Mercurialis annua, Pivoli Gardens, Margate. Oct.

24. dissimile Germ.

Sept. Birchwood, Walton & Stew. on grass in a field
6. Aug. Little Hampton.

Schönheri Water: Lebs:

Walt. L. 39.

Aug. 7 Nr. Seaford, Walt & Nr. Arundel amongst short grass, &c.

30 nigritarse K. Lilf. 3.
Waterhouse Schö

31 fumentarium L. — G. 29. L. Hab. Mars. K.
1. miniatum Schö: sanguineus Dels.
Lamarckianum Gem

31. sanguineum Gyll. . . . Dels. . . Schö

32 hamatodes L.
fumentarium Lenn. Fl. Gyll. Schö. Walb.

33 senecionis L.
Helbeimum Ger. — fuscillum Hg. not Gem
tenuis Gyll. v. 3. — fuliginosus Schö.
34 cineraria Ger 23/12 — same as No 8. fuliginosus.

34. aratum Sch

35 Lotti K.
angustifolium L. Hus.
modestum Gem
glabratum Gem — cinereum Sta
36 fennica K.

37 brevisetus L. — Gyll. 3 — Dicv. 5. Wahl 3/53. ~~Hoch.~~
humile Ger 23/2. — Schö Gyll. v. 4 — not Gem
curtisetus Ger
fulvum Sta.
38 nemorum Herb. — Gem 23/9.
velox Kirb. Lapp.
foraminosum Schö
39 obscurum K. Fl. Fl. Gem 24/3.
Kunzei Schö

40 scotoclare L.

41 Kirbiig Ger

m. Oct. Worm Coal, & one Hatchmoles
8 June on Off grass, sand pit S. Cove
m. Nov. in Pot house, Almost Cove
May com. on Dock in marshes borders of Beaches.
July on com. Docks R. obtusifolius

Lara in Tables of Rumex — near the roots. Mr. Clear of York
Coombe nr. Gricebach. Waterhouse. Ainesbro' Scott

2 July Fumarium Scorodonia in abund. Keansbro' Mr. Walton
8 Aug. & Scarbro' nr. High Harrowgate, J. W. On Rumex, acetosella, Hampst. Heath J. W.
May com. in hay, on grass sand-plain.

May Hab. S. B. very plentiful by sweeping grass in fields Keansborough J. W.
June

Same on Lotus corniculatus, Sandy Cod Refoil
July, Beck nr. Micklebam, Yorkshy Walt.
8 Aug. swept Elms S. England, Rare, nov.

2 Aug Sand hills Sandwich. Lept. Micklebam, Gravesend, Arundel J. Stevens.
Apr. nov.
2 May Cinquefoil Gold Rainford
29 June S. Nelson J. W. July on Trifolium officinale Charlton Sand-pits. J. Walt
2 Jul. Colchester
m. nov. Kearnsey
2 Aug. Kingsown
May, Wentham 10th Dinton sweeping not [illegible]

May in abund on Salix caprea at Hamp. on Old Lady Fox Willows Turner's nr
Hampst. F. Smith.

2 July on Lotus major side of a pit in a sandstone quarry — Gatt. & Wills
Stock & nr. Dunsay Lap in July.
m. Jul: 1806 Dr. Blackenhorse, Lady: July
May Sunbid J. Walt.
June to Oct. on Alles europaeus nanus Lynn Lunst in abund. W. Walton
Nelden by Yorkshr. at Windsor forest.
July & Aug. on Buxus in g. abund: Ascot heath.
Oct. Sherling Com:

2 June flowers of Trifolium officinale in abund. Keansbro. Mr. Walton
abund. on Trifolium medium & on a pit by Charlton wood Kent in 1809 & 46
6 Aug: on Trifolium officinale, Arundel, Stev.
June Hunstanton Norf on Rumex obtusifolius, Com: dock Spring & Autumn

June com: on Docks, com: & Water R. Hydrolapathum.
10 May Dinton, J. B.
Sept.

May com. in Bud.
Aug: on Teucrium Scorodonia, at Yorksh: Walton & Rumex Acetosella Hampst. H.
9 Oct Broad Alders

m. Jun Kearnsbro. On Rumex obtusifolius, Broad-leaved Dock.

June Damp pan Downs, Banks & Front Lincoln J. W.
2 June, 6 Sept on various plants on a hedge bank in Yorksh; abund. J. Walton

	cuentatum Walt. R.N.H. 13. 452.	Sept: in a grass field W side of Turners-w: Hampst.d & Yorksh. I. Ms.
17	rubens Ingalls: Ste. Mau. Walt cb.	July, on Teucrium Scordonia Yorksh. Shirley Com. w: Croydon plentiful Sandfields Hampst.d heath, Wimbledon Com & Weybridge, Surr: Birch-w Oct on Rumex Acetosella.
	35 alter Schrö validirostre Schrö: S. fumicolle Ste: Mau:	b. Jul: amongst grass on hedge-sides, w: Turners wood, Hampst.d
	37 Sedi Germ	Aug & Sept: on Sedum w: Deal, Dawson. may S. April m. Jul: on Sedum acre, Southend, Hew.

42.	48 virens Nerk [illegible] anocephalum Gyl. marchicum Kg		May common on the coast.
44	49 Astragali Pk.	K. 4 f. 12. Germ. 13 f. 22	June at Cottenham Suff. Mr Kirby on Astragalus glycyphillos July Leeds Yorksh. Mr Atkinson June 30, in plenty at Northampton, R. M. Greville & Mr Lucas very.
3	50 similis K. Suff. supercilionum Gyll. v. L. triste Germ.		24 June Knaresboro' off Birch trees in plenty Mr Walton. Plumstead w. [illegible] 8 May Buckwood & Hunstanton Norf. Coxed. w: Shirley Coxwell: Croydon 6. July
	51 glabratum Ger 3.47		May.
65	52 varax K. Germ fol 3 f 3 villosulum Mar ♀ fasciculatum Mar ♂	fraxidum Ste: Cab.	12 Oct. Broad oaks May, a pin the Ash. June & July, woods & hedges. Knaresboro, plentiful. Walt. & Sul. Colchester.
4	53 filiroste K. mario Germ. Schr		June & July Chartton pits & Stw: Darking, Bucks. w 6. Aug: Brighton rare; Stw: in Arundel park, among the grass 6. Oct. Middleham, Walt. on alby & round. District.
66	54 Pisi L. Mag. [illegible] striatum Mar		15 Apr. off Broom Combe:
55	55 immane K. ♂ Betulæ Schr: striatum Mars. ♀		21 Aug: Cuckwood. 31st July Shakspeare cliff. Apr. on Broom & Furze Feb. on Furze in warm days. Ste: June & Sept. on Broom, Charlton sand pits. Walt
57	55b carbonarium Ger ♂	same as 69.	very abund: Camb: but all ♂s. ♀s? P. C. Wollaston.
57	56. atratulum Ger striatum Mar Pisi Germ Ste.		Feb to Nov. off Furze abund:
	57 {unicolor K. ♂ ~~Æthiops Gyl. 3. Ste~~ ~~subcæruleum Ste~~		6. Aug. 36 on Vicia Cracca at n: Scarbro:
57	58 {Gyllenhalii L. ♀	Germ Gyl.	6. m Aug: on Vicia Cracca at Scarbro' in abund. Mr Walton on the Beach.
67	59. subsulcatum Mar subcæruleum Ste. Marchicum Gyll. Æthiops Nerk		May on Vicia sepium June n: Dover &c.
	60 Ononis K. mecops Schö		July frequent on Ononis arvensis June. local but plentiful in Yorksh. Oct.
	61 Ervi K. ♀ Germ. fol 5 f 13		July, 6 Aug on Lathyrus pratensis Suff & Norfolk, Ste. 20 June n: Langford to Oct.
	61b sulcifrons Derb?		
	62 Lathyri K. ♂ Gyl. Norm. 1851 p. 229 Schö.		Taken with a. Ervi in cop. J. W.
	63 fraxidum Ger ♂? ~~Walton but~~: Ononis Germ: cinerascens Germ: Mag. 3. App. p. 38. plumbeum Schö		Larvæ in pods of Lathyrus pratensis. 6. Aug. n: Arundel. Stw.
	64 parvum K.		6 July Teucrium scorodonia Knaresboro' in plenty Mr Walton 6. Aug: Scarbro' May on the Broom
	65 foveolatum K. cyanicum Gyl.		
	65b intrusum Gyl.		
	65c columbinum Ger		

63	63 Pistorii Curt: Curtisii Schö:	Ste	Sussex first found by me. Det: Chalky downs nr Brighton Arundel, Bury hill & Dorking, Stev:

Pisi Meg: Fal.
66 punctiforus H. Eq.
oralum Ste.

67 punctigerum Lyc
subcitrous H.
lapidigerum

68 Lunorum H.

69. Sabi L. Eq. Gem. 23
Lycopodium H.
carbonarium Gem. H.
cordovense Wear
clavatum

384 Equ. Fluv. Gem.

72 Pomata

71 scirpoides
maritimum

72 Alcis Fuse.

385 Rhynchites Herb. Lab. Eqt 3. 19. – Eng. B. 2. 12. 622.
Scho. Genus 27.
1 aureovirens Mar.
Bragaria Scho.
obscurus Reg. Scho.

2 cupreus L. Eq. 20. 7
funestus Herb. H.

3 coerulescephalus F. Eq. 92. 6

4 aequatus L. Don L. 13. 182 Eq. 20. 8
nigripes Eq.

5 Bacchus Don 1. 3. 10. Eq. 20. 5 Mars. Eqt.
hirsutirostris L. Dol.
auratus Scop. Scho.

6 Populi L. H. Eq. 20. 7
Thoracy spinicl. B. 6.

7 Betulae L. Don. 3. 72. Lam. 2. 18
nitens Mar. v. Populi Pk.
Betuleti Eqt. H. Eq. 20. 6. Fab. Syst. Eleu. 2. 422. 28 Scho v. 1 p. 222. Eq. 6. 14, 101 J. 6.

8 interpunctatus Wlk
Alliariae Pk. Eqt.
megacephalus Scho.

9 Alliariae L. H. Eq. 5. Lab. 2. f. 35. Mar. Ste.
nanus Kirby
conicus H.

10 angustatus Lea

11 coeruleus Deg.
alliariae F. Ma
nanus Mar.
minutus Eqt. Scho. Ste.
germanicus Herb.

June Trifolium procumbens, chalky ashes of Kent Flowers & Hedgerows
Eq. July Thalictr. minus on Common on Mar.
2 May Cinquefoil field, Sparsholt
15 Aug. common Lathyrus pratensis at Dover

May very common on Sandy ground
June on Dover Walls.

Aug. on Sabbs commonly on dry sandy soil Coombe Wood
Aug. on Dover Cliffs, plentiful hundreds on the plants of Scabiosa columbaria at Racine
Cliffs near Sea, Prof. Walton

May upon Scabious
Plumbs in Lane of St. Nicholas Church Ile of Ash.
Aug. Arundel, Storrs, Bury well Eq. Aug. among the moss in woods near Lewes, Comb; Stell
June Knaresboro
Sabs. Black Down

Sabs of Nettle, Aug. Hastings & Ste. Mostly, Lake House, Wanstead Mars. Walton
Eq. on the Sandhills, Ste. Sabs
May
Eq. Wanstead Flats, Ste. Sal. & Sebastian, Fuse
May upon the Broom
Eq. June Lewes & gravel pits S. E.
m. Sal. of Broom Thanton, Ste. Walton & gravel pits
Sabs. Ste. Mars.
Eq. of Aug. & early Sabbs on Bury.
Aug. numbers in the sand Bury fields in abundance, Eq. Lucas.
Eq. Ste. West Dow.
Aug. Larva like a red in Bury fields infested by Lamiochus Apionis Gonzan. A. S. L. 1847 p. 250. pl. 3. No. 11, f. 13–15
Aug. Ann. N. H. v. 13. p. 81. (1844) – Malabrus F.

May Willow Hyacinth & Bicon at Hering. St. May & Green Hill
Eq. Sabs as soon as they begin to bud: J. Weaver
mallow on Sabs, Hering. R. H. Eq.

May Willow Mean & Hazel: Parent: Effingham Carlisle
Radnut, June Eq. of Acorns of Mountain Ash – Wood Park, Ed. Fus Carlisle.
Eq. on Oaks: Eq.
Eq. May on the Lime and the Lime and Eq. Spiraea in the Garden Kaiser
n. Wilton. On White Roses in Saxony.

May White Thorn common

May Plum trees: Eq. Bury fed by Hazel on the Sloe & Kirby
at Barbury Eq. Birch n.
m. June in fields at Kirby Don:
Rolls of the leaves of the Vine or hazel in June Eq. Eq. Sabs in Yellow Rose
June Eq. Fuse & Fisher, Sexton Wood May: Larva on the young shoots
in Sept. Coombe Colney hatch.
Rolling leaves of Aspen on estimate for of leaves
May Alders Hawf. June, Birch, Dunnet & Coombe wo
July Birch
Eq. & roll up 3 of the terminal leaves of the hazel in May: J. F. Dawson. H. Rolle
May Hawthorn Eq. Young oak shoots of underwood Swanscombe. H.
m. June Wilton.

May June White Thorns Hawf.
Aug. Dover Hawthorn
Oct.
June Coombe wood
21 Aug. on Aspen, Cam. wood

May June White Thorns Hawf. very com:
18 June Wilton.

Apion ulicis de la Perris Ann. Soc. Ent. v. 9. p. 3. pl. 6, 1. forms galls on the twigs of Ulex nanus. The maggots are infested by Eulophus Ulicis, ib.
vser. species of Hymenopt.

5th Bacchus Linn. Selic

24 Sept. 43 g off Oak underwood n. Cracking-hill, Bicker. B. Handish.
Francillon's Cat. purchased by J.C.

up the leaves of the Pine at Genoa &c. J.C.

12a minutus Herb.
nanus Bryk: Gyl. Schö
caerulaeus F.S.N. Sup.
♀ cylindricus K. 17 & Ste. planirostris F.S.El.
July on Birch, repeatedly: Walton.
June Coombe w. 2d Elmington w. Dorset
Radcliffe.

12 atrocaeruleus Ste Nl.
pauxillus Germ: Schö
May. White thorn hedges at Swanscombe w. Gravesend. J. Walton.
June

12b confinis Ste
longirostris Ste
nigripennis Ste

13 pubescens Herb. Mars. 240.7. Ol. 5. no. 34. fol 2 f. 34.
♂, cavifrons Chev. Schö
May Mult. trees & Oak Lethering w. H. Hunt. Larent 9th under trees Gyll. May
2d June Darent. On young shoots of the Oak; Walton.

14 similis Curt. fol. 642. 5.
ophthalmicus Ste
sericeus (Scho: not) Hof.
comatus ♂, cyanicolor Schö
tomentosus Schö ♀ ♂.
3 June Coombe w. oak S. 6
5 May on White thorns in woods w. Gravesend; Walton.

14b megacephalus Gyll.
cyanopennis Ste
constrictus Schö 1839.
Marmerheimi Hum:
14c lanicollis Ste
May ? Radcliffe; Dalmeny Park.
July min. abund. on Birch: Walton.

15 cylindricus K. same as nanus Bryk No 12a
June Coombe w. 2d Elmington w. Dorset. 25th ♀ of Birch by Bridge Park, Rut Radcliffe

386 Deporaus Leach:
1 Betulae L. F.S. 640 Pz. 20. 15. Ann & Mag. N. H. for 1844.
Betulae F.S.El. 2. 227. 61.
Attelabus Linn. Fab:
May, Grosmetter Oak, Birch & Hazel w. Mag.
Rolls up the leaves of alder, hazel, elm, beech & birch for its larvae to consume.

387 Attelabus L. Lat: Curt: B. E. 15. 710. Mar.
1 curculionoides L. Pz. 100, 9. Fam 2. 22.
nitens Pk.
May. June July on hazels & oaks Sevenoaks, Darent, Epping: Hof on willows: Carlisle. Morning.
They roll up oak leaves in a short valise, Dr. Fitch. Lin. Trans. 10. 24

388 Apoderus Ol. Lat.
1 Avellanae L. Curt Trans 186.
curculionoides Don 5. 164.
Coryli Pz. 100, 8.
May on hazel very common.
6 June
6 July bites from a rolled up nut leaf, which fortunately has 12th bite from a hazel leaf lovingly rolled up.

389 Rhamphus Clv. Ol. Lat. Lat. Rhynchaenus Gyll. curculio Herb: Pk. Gyll.
1 pulicarius Herb
flavicornis Clv
Oxyacanthae Mar. 203. 77
Curt. Ol. 5. Attel. fol 3 f. 58
1 July, Manning. White thorns.

390 Bruchus L. Lat. Gyll. 3. 11 Curt B. E. 16. 752. Imported in Pea. Ann. N. H. 13. 206.
1 Pisi L. Ol. 5 no 79. tab 1 f. 6. Delg. 5. 216. f. 384.
Fam. 2. 17. R.A. 3. 7, 420 R.f. 32. 35
Mar to 8. Aug in a waste field sandwich:
6 May, in Darent in bean & pea fields & does much chief to field of peas & even to fruit trees, it is said. Half a crop of Peas in Kent destroyed in a Bamby it
Some in every Pd. J. Marshall

2 granarius Mar. Ol. 4. t. f. 10. Pz. 61. 8. K. A. 3. 7. 421, R. f. 31. 32.
atomarius L. Fam. Pisi F. Ste: ♀
"rufimanus (Schö: 1. 58) Germ:
Feb. at. on Purge. Gyll. Wool. 6 Aug in a waste field sandwich.
Feb. the bullies in Broad Wind on beans pierced with holes. Also Horse beans
Oct. in my Garden Lophodo alive.

3 affinis Ste
Vicia K. impunctatus K.
seminarius L. F. granarius Pk. Gyl.
6. Gyll. Wool.
10 & 13 May out of Lathyrus or Vicia flowers on a bank Quinton. 18th flowers Pisum 1st Gyll. K. & Symphoresicus 2d. J.

4 Loti Pk. Gyl. 3. 13
June on Lotus corniculatus Hampstead Cliffe; Somerset.

5 Lathyri K.
? Loti Pk. Gyl. Schö: 5. 88
w. London & Bristol
6. Aug: on Lathyrus pratensis, w. Cowes. I of W. J. Walton.

... Scarafrons Chem. Schö 1.226.

Buchus (obs. antennæ two gas.) pisi? I found in a jar of peas at Lymington & had from Bentley granarius Glan: Wootton &c. - affinis? (so named by Stephens) Gl: Wootton White thorns, May lathyri? Bath & Bristol, Millard - niger Matth. mss. "long corp. 1½ lin. - "Entirely black, clothed with a very short pisceous pile, legs slender, femora unarmed, antenna much broader & longer than in B. lathyri - 4th joint not smaller than 5 following." near Sherburn in Yorks - at gt. distance from any house July 1832", A.M. -

Stephens quotes B. ater of Marsham as syn.: with cisti - (Hill w. Langport cisti? (a flat species) on Cistus July 4th 1839 Breach Wood, or High Ham or Aller - Gogmagog Hills - Glan: Wootton May 13, 1835 & June 2 - 1833 & by "Falericius June 28th at Bently on Thames." -

ater? (a round species) (qu: niger of Matt?) In his letter 15 (of 1835) & in your letter 151 you said this was cisti & in letter 155 that yr. flat one was yr. true ater of Marsham - one has base of antennæ red but not so this other (ater) Carisbrook Castle Aug. 5. 1835 & Hodd Hill Dorset aug. 19 - 1835 - I did send you this account before -

1 Flavimanus Schö 21-58. Rayl. Jour. 7. 424. R. f. 24-27. Pici Fab.? — b. Aug. in Bristol, Millard. Imported in brad beans from Italy.

Antecornis Ill. Schö — on Daby Cove Cam. Hants & Combe-on. S. Stev.

Fractricornis L. Pl. — Ste Mean.
? Theobromatis L. f.
scutellaris F. f. — Schö
canalis F. f. — on a gate Old Bromfeton, Mitcha. Imported on Heracleum Sphondylium, Pangbourne S. H. S.

6 seminarius L. Ol. fl. 2 f. 12. F. — June Hurley: Epsing. Yorksh.
granarius Pk. Gyl. Schö
affinis Ste: Vicia K. immaculatus K.
7 Cistí Pk. Pg. 66. 15. Ol. — Gyl. Ste. Schö: Curt. — 7 Aug: Lawn in pods of Vicia sepium, J. W.
alter Mars. K7 Ste. — 9 June abt. on flowers of Cistus Helianthemum, the Hills nr. Cantb.
villosus F. (1792) — 13 May 1 in lower Dunton wlks & was growing, 10 July F. Bordenhangers.
14 Oct: sev. on Broom, Shirley Common nr. Croydon, J. Walton.
Anthribus Pk. Fab. Lat. Gyl. 3. 8.

391 Brachytarsus Schö. — Paropes Mey.
1 scabrosus F. Ol. — Pg. 15. 15. — May, under bark of Elm & Horse chestnut pref. & on Rhamnus catharticus
n. June on a gate post, Newtown Linford, Leicestersh. R. P. Isley, Tunbridge Wells.

2 varius Pk. Ol. — F. Pg. 15. 16. — May f. White Thorns. I beat out of an Oak in Lib. New Forest R.C.
in winter under bark of Pinus abietis, Dalm: Act. Holm. 1824 p. 388.

391a Phloëobius Schö? — Araecerus Schö
3 griseus F. Ste. 4. fl. 21 f. 2.
Coffeae Fab. Schö. — Crawing at room of mairy in Batavia Exhibit. 4 R. Mac Day

327 Choragus K. — Anthribus Guer: — Alphicopus Villa in Dej: Cat:
1 Sheppardi K. Linn. Trans. v. 12 p. 447 fl. 22 f. 16. — Sent to Soc. Linn. Mag. Zool. 1831 fl. 16
hygrometricus Rob? vide Ent. Mag. I. 290. — 26 July 1809 on a nettle Dereham Norf. S. W. Kirby, Newton Linford, Leicestersh.
Ann. Soc. Ent. 1843. p. 313. 4. 11 Nov. Lawn, Jersey &c — Clifton Suff. Rev. R. Sheppard.
2 niger K. Galeazii Villa id. ibid. for 1844 p. XL for corrections. — Sept: dead wood in hedges

392a Trophideres Schö.
1 nivirostris F. Ol.
brevirostris Mac. Pg. 57. 9.
June hazel Coombe Lane & New Forest: on a gate at Burham Norf. R.C.
White Hm. Gd. Pat. Heath, Lordly.

2 albirostris F. Pg. 15. 13. — on palings in Norwich. Sep. Attacks Elms & sometimes kills them.

392 Platyrhinus Ch. Curt. B. E. 723.
3 latirostris F. Gmel. Syst. 10. 348. 1. Pg. 15. 12 — April at the base of beech trees at Clifton, Mr. Walcott Ad.
May in Sphaeria F. exuvia. trunks of Ash, Beech, Alder & birch. Oak, Hunsdon
June in voleti in woods Norf. R.C. under bark of beech near forest.

393 Anthribus F. Curt. 726. Anthribodes Meg. Macrocephalus Ol.
1. albinus L. Syst. 10. 348. 3. Pg. 3. 16. — June on hurdles & dry wood, Kensington gardens, R. Thom; Darenth: Dorset Ent. in splitting the elm, at Bradley Spring of Mr. Wingfield

393b Rhinomacer F. Oli.
1 attelaboides F. Ste. 4. fl. 21 f. 3 — S. Swainson, Mr. Waterhouse
June Mr. Lett Ch. 20th 13 a pair on grass under Birches, Dalmeny Park. R. P. Greville
5 May nr. Carlisle, Mr. Dugdale

394 Mycterus Ch.
1 griseus Ch. Ste. 4. fl. 21. f. 6
curculionoides F. — June 1815 Kingsbridge Devon, Mr. Grande on flowers.

395 Salpingus Ill. Gyl. 2. 640. Rhinosimus Lat.
1 ruficollis L.
roseatus Dej?
Roboris F. Pg. 134. 5.
2 bicolor Ste — Jan: Bydder, under bark of Oak & Poplars.
June Mr. Stirling.

B. debilis Schr.

8 Cistus. Fab. E.F. 1, 372. (1787)
8 alter (mas) Cust. B. & fl. 754.
? canus Gmel. Schö.

m. June. Birch-w. Mickleham & Darking off Cistus Helianthemum, J. W.
July w. Shoburn Sussex. Carisbrook Castle & Hodd-hill
abt. n. Broom Hoff w. Norwich.
m. July sw. on Cistus Helianth. on hangers Bordeaux a pair in cop.

Same in the dry stem of a Willow. Dufour. Larva in d. March & April in dead branches & the Galls of Cratægus Oxyacantha
Papa end of April, J. Sower

2 viridipennis Lat. Hist. Nat. 11. 26. — June, under bark of a pole in a hedge by the side of the Thames, at Chiswick
ruficollis Pk. Pz. 24. 19. — Feb. Mr. Matthews

L planirostris F. Pz. 15. 14. — Jan. under bark of tree Norf.
fulvirostris Pk. — 6. May, upon Beech.
17 April 16, a fair mixture bark of Oak. Combe w.

396 Sphaeriestes Leach — Cant. B. E. 14. 662.
later Pk. — Radcliffe, on Fir-trees: Marp & Southgate
19 June at Leominster, and Stirling.
Sept 16. Oct: St. Lucens ferry, R. R. Grove

1 aneus Ol.[2] Step: not of Ol. — near Leiden
Dalemany Park & Lucens ferry

1 foveolatus Lung. Cant fol. 662. — Feb. Nov: immersed, top of wall, under beech & elm-tree, St. Lucens ferry, R. R. Greville

24 Q.[b] Lissodema Cant: Cat: may:
2 L. pustulatus Mar. 297. 171. — June in hide thorn hedges, falling Camberwell: Battersea fields: Combe w. Heath
Ste Ill. fol 21 f. 5. — July Surrey, Somersea.

1 Prisca Ahr. 0, 9. — July Southgate
~~immaculatus Ste~~

3 denticollis Gyl. 3. 715. 5. — hedges near London

397 Trogosita F. B. E. 16. 734 — Faucbris Linn.
1 Mauritanica L. — Pz. 3 4. K. A. Zo. 7. f. 20. fol. P. f. 23 8; other place of mallthese, bank: it feeds on the Tinea granella.
carabordes F. — Trans. Ent. Soc. p. 329. — apr. under stones banks of rivers.
Larva inhabits the Almond & may injurious to corn in granary.

398 Cucujus F. — L. B. E. 510 Trans. v. 21.
Pediacus Sturm. fol 34 f. 2.
1 dermestoides F. — Pz. 3. 13.
depressus Hub. — May many mile-bank of Oaks, Dunsmall forest. Bd. Mr. Norman Aug.[st] April 6. June on newly barked oaks near Lyndhurst, close to the operation.

2 fuscus Ol.[2] ~~Lat.~~ 4 no 74 Ser fol 1. f. 5; Zool. Jour. fol 67 f. 1.
at

Spartii Cant. fol. 510.
ater ~~Ol.[2]~~ Ste. — Apl. out of decayed Broom stems Combe w. a band.
May

1 2 testaceus F. Ste. fol 21 f 6. K. A. Zo. 7. f. 102. fol. P. f. 25 23 — Dec. in an old decayed elm, Mr. Ms: in a granary adjoin.[g] at Cambridge. B. C. B.
ferrugineus May?

unifasciatus Lat.[2] H. N. 11. 256. f. Zool Jour. fol 67 f. 12. — June, New forest, under bark of Horn beam, Hainault forest.
July, Lyndhurst. G. T. K.

fasciatus Ste

3 complanatus Wlk.
monilicornis Ste. . . . . — Dec. granaries & corn-lofts Bossey.
. . . under bark of Oak, New forest, Douglas

L minutus Ol.[2] — fol. 119.
testaceus Ste — among st Indian corn Dover Griffin
minimus F.

cicumaculatus Ste Ell. L. 218. 2.

Inly on a fir tree Pckingham heath, Norwood: Chelsea: under bark of a Plane tree Common house in: Edinburgh. Stirling. Dalkeith Park & Lucons Lony.

a Neyana Int. Ann. N. S. 281.

399. Uleiota Lat.
1 planipes Fab.
planatus L.

399b. Spondylis F.
1 buprestoides F.

400 Prionus Geof. B. E. U. p. 16.
1 coriarius L. Don. 14. 491.

2. July trunks of trees, & at base of worm eaten oaks, elms, birch trees &
Norf. Essex trunks Salop: Birch & Elm-w. flies in Gwent.
Aug. 1826 flying in wood, Shirew. for. Not uncommon Arundel, Stev.
Since Cawa & Jurtia in Birch, Tidesw.

401 Hematicherus Meg.
1 Heros F.

2 Cerdo L.

egg laid upon the trunk of a felled Oak, in crevices: Gourcau.

402 Ceramby x L. Armia Serv. Cat B. E. 738.
1 moschatus L. Don. 3. 94. 2.

June on trunks of willows, Battersea
Sept. feeding on ripe gooseberries: Newman:

403 Steracorus F.
1 spinicornis F. Syst. El. 179. 7. Oliv. 4. 17. p. 130

cut out of a tree, high & standing hollow: Windsor. J. H. Spinckes

2. 6-maculatus L Drury 1 pl. 37 f. 3. Ent. Trans p. 83.

404 Monochamus Meg. E. B. E. 219.
1 Sutor L. Don. 13. 235. 1. Schaef: 65. 1.
S. L 655.

July trunks of trees: n: Mouriely, 25th, Longgrass near Ely, lives alders & willows
Aug. at Surrey n: Sudbury, Mr Spence

2 Sartor F. 3. 2. p. 278. B. E. 219. Pz. 19. 3 ♂
sutor Pz 19. 2 ♀

Sept. on a fence Blackfriars road: Cf: Spence: Cortesey.
June on Elderly house, Devon & Surrey. 3 n: Manchester.

3 Dentator F. Ent. Trans: p. 84. 41 p. 1.

10 Aug: in a house at Hoxton. Blackfriars road: mine was sent by Mr. R.
July. Wood mice taken n: Manchester.

405 Acanthocinus M. Edilis Serv.
1 Edilis L. 2. Don. 2. 72. Schaef. 12. 7
moschus Serv.

May trunks of trees. Old forest by the Thames
June. Abundant in Perthsh: R. W. in Saw pits, Loch Rannoch
29 Sept. 3 from Sutton in a Ship at Newcastle, J. F. Bold.
eggs laid in crevices in the bark of a cricket, ~~trunk~~ of Pinus sylvestris: Gourcau

406 Pogonocherus Meg.
1 Literatus Don. 16. 546.

2 nebulosus L. 2. Don. 11. 394. Pz. 14. 13.

June dried faggots in woods, hurdles &c Norf & Suff
3. July, trunks of old trees Kensington gardens: dead twigs oak & birch, Shrew: for.
May Whitethorns, Hainault.

3 fasciculatus F.
fascicularis Pz.

Transferred
Buckeye
Via Mass. 231
H. Fees 236

4 bispidus L. Don. 2. 64. 2. 3. Abr. 6. 10. — March under bark of Oaks, Co. Cork. June Jul. trunks of oaks Lower Norf. e. Aug. trees covd with Lichen Orchards

5 pilosus F. — bispidus Pz. 14. 16 — 4 Oct. Apple trees orchard Ofd. Mar. Hedges Parley heath. June dry wood in hedges: hurdles Norf. Feb. Forest Oaks. Lewisham. e. Aug. Orchards & White thorn hedges

407 Lanius Fab. — e. B. E. 172.
1 Pector L. Pz. 19. 1. Sam. pl. 2 f. 2.

Apheloenemia Ste — Messrs
2 nubila Ol. 23. 15. B. E. 172. Schr. Ins. v. 105. 1.
nebulosa F.

June trunks of willows nr. Bristol & Lymington. Found after 7 f. in hedge Mr. Jacques, who considers it a nocturnal, on July, Aug & Sept. feeding on the young willow shoots nr. the trees for 3 months. Mr. Barton. On the stools in the hot-house at Mr. Loam

408 Saperda F. — e. B. E. 275
1 Carcharias L. Pz. 69. 1. — similis Lat.

Apt. Winterdene — Bewdley, nr. Worcester, in rotten forked branches of Oaks. June trunks of trees Bromham. Dorset. & New forest. Ofd. Sam. 3 May Rotten branches of Oaks, Mountwood, Norms.

2 Atkinsoni Curt. B. E. 275 — Tremula Ste

Italy, in Cave & image in trunks of Populus tremula & in the leaves in day shade nr. Swaffham Prior Camb. Dean forest Glostr.
837 taken in my garden at Grosmont Paddington by Mr. J. Atkinson.

3 scalaris L. Don. 11. 393. Pz. 69. 3

May Kersall Moor Slough nr. Manchester abund. in Fir Birch, Sherwood forest. e. June nr. Bolton: Cockermouth.

Cantharidia
4 Populnea L. Pz. 69. 7.
Lawa Rabb. 192 pl. 16. 5.

6 May Lawa under bark of Pear trees (Gorseum) not Dan. not to mistake before. May Aspen trees Sefton wood Lancs: Camb. on the small Aspens. June. July plentiful, Bedingham. Lawa in knots of Trembling Poplar, perfect in Spring.

Rhagiolantia
5 Cardui L. Pz. 69. 6
lineatocollis Don 6. 209.
nigrennis F.

May on Heracleum Sphondylium at Barton St. Mary Berks: Clapham Bed. June wood, Beds: & Monks wood, on elm exile. July. Thetford, Lowell wood Northampton. e. July Cathel Slough nr. Wilmslow. Sherwood forest on Holly nr. Pelia Bed. June pravifolia in June early.

6 farea Schr. Pz. 97. 15.
nigripes F.

7 cylindrica L. Pz. 69. 4 — May on nettles Norf: Conway & Lakenham. 30th. Cants of Rye, Kent.

Oberea Mag. Dej:
8 oculata L. Don: 9. 305.
melanocephala Pz. 1. 18. — June trunks of willows Isle of Ely ab.

408b Tetrops L.
9 præusta L. Ol. Lin. 68. pl. 1. f. 6. Schr. f. 52. 8 — May White thorn hedges Norf: Norwich, Kent: Sittingbourne. June. Apple tree, garden, Hayes. Middlesex. July

409 Callidium F. — e. B. E. 295.
Asemum 1 striatum L. — B. E. 295. Pz. 70. 13.
agreste F.
rusticum Ste

Lives always in dead trees. June on palings Lat. 48 8 f. nr. abunds: Renfrew, J. Scott. 6 July 51. Sir Hob. Apr. Larch: Kinnordy, abund. Cedar in Maple groves. 16 July Battersea on palings. Roofs of houses London. June

2 Bajulus L. Pz. 70. 1. Sam. 12. 2.
similis Mac. var.

3 violaceum L. Don: 2. 64. f. 1. Linn Trans. v. 5. t. 12. Pz. 70. 4. — May, Manchester: Conway J. C. on palings. July, In dead fir trees nr. London abund. In old Oaks, Hammond. 3 June abund. on unbarked Larch used in building, as Blythe, Norfk. F. Bond. & In Oak timber. In Anglesea & Devon. Not Bow, May 30. Stm. 3 Apr: Lawa under the bark & rings hatching out of very dry Oak wheels in Brewer

4 sanguineum L. Don: 16. 553. f. 1 Pz. 70. 9.
Gourcaud. E. S. 1863, 99 economy. Lawa t. f. 4 f. 4

a minute black [illegible] — fumetum the lower surface [illegible] pl. 4 no. 4 f. 7

fuspillata Schö: (Gyll.) Syn: Appt. p 135

Inc 13 on a Honeysuckle in France. 4.th & 5.th 44 abund: Hence, wing. 22 ♀ & 30 ♂. Buquet

The Larva lives upon the Honeysuckle.

Kingsbury, Middx

5 variabile L. — 16. May Y Laytonstone forest. Mr Dudley

Semicanum L. Pz. 70.2. fraustum F. var α — Sum trees Barbiceu: in solid wood of the Birch and Bolham.

β testaceum L. var. Y luridum Pk. var. — in a garden Edmonton. Hainault. nr Ludlow.

St. 4. Pl. 11.

6 russicum F. Ol. 4 no. 70 fol. 2. f 49. — aug on an oak, Hainault forest. Larva fed on Birch & on L.O.

7 alni L. Pz. 70.20. — 6. June on rails at a meadow going to Bindway: flowers Gravesend on faggots & thistles in woods Roef. Ft. Blenington nr. Whitehaven.

8 betaeum Ste

L10 Clytus F. C. B. & 199

1 fulminans F. Ol. 4. 75. f 63. — in a garden at Kensington near flowers. Mr Dudley.

Sow. Brit. Mis: tab 58.

2 arcuatus L. Don. 3. 84. 1. Pz. 4. 14. Sam. pl 2 f 25. — June on trunks of felled trees at Bungay abund.: Felled oak trees at Brook

lunatus Gmel. F. detritus Lat. — July Hainault forest. Rand. the 2d Fagus decorticately; Long Lefevre Mus.

3 arietis L. Don: 1. 27. Pz. 4. 15. — Larva in trunks of Willow & Aspen, applied on ends in Bark. Ent. Mag. 2. 222.

Gazella F. Ol. — June gardens & orchards, fencing, roads, trunks of trees: also on fern.

July in summer, sallows.

4. L. pumilatus F. C. B. & 199. Pz. 70. 19 — May, Grange & beam fodder Built in currant bushes. Cone in roof

navia Gmel. villosus Rossi — 22nd out of Oak branches

in a house in Norwich. Marshall, at Baptistmills, nr Bristol, & Batt.

5 Upsilon Ste

6 mysticus L. Don: 3. 84. 2. Pz. 82. 9. — May Dandwoc artuneum: in trunks of trees in bushes in gardens &

quadrifasciatus — June hedges near Jnot.

litteratus Gmel. — July

7 erythrocephalus F. Ol. 4. 75. f 60 — Epping Forest. Mr Doubleday

amoenus Gmel

acuminatus Fab.

L11 Obrium Meg. C. B. & 2, 91. — a Georgian species

1 cantharinum L. B. & 91. — abund.: in an outhouse at Broxbourne Herts, under the bark of

brunneum F. Pz. 34. 15. — poplars or ash, used in the building; also flying about. Bond. Aug.

ferruginum F. Pz. 34. 16. — 15. July 23. on the leaves of an apple tree Coggeshall & on 10th Aug. on Aspen

Gracilia 2 minutum F. Don. 16. 553. — trunks: Stanstead house & flats nr. fly & in the evening

hypnorum F. — Apr. hedges Norwich: in multitudes in an old basket at Camberwell, Marshall.

Pini Pz. 66. 10. — June. Harrietsham. 28th in Dr Maclean's house.

3 fasciatum Wlk.

L12 Necydalis L. C. B. & 1, 11. Molardus F. — Gymnopterian Scin.

1 minor L. B. & 1. 11. Pz. 21. 21. — June on blossoms of a tree amid grove & on grass under hawthorn at Mr Dixon

dimidiata F. — Harrietsham, Kent.

2 Umbellatarum L. Ol. 4 no. 74. pl 1 f 8. — June on umbellata in garden & on dead branches of trees Barnet Lane

Coombe. Mr Abbey, Essex. Harrietsham, Kent.

Cylindera Haw. E. M. I. 509.
pallida Haw. ib.

Camberwell, Sugden.

Larva in branches & young dead twigs of Mulberry, Sycamore & Cherry, burrowing wide & deep under the bark & into the pith. Ann. S. Ens. 5, 547

Tritomacrus Haw. E. M. I. 510.
testaceus Haw. ib.

Ireland, Mr. Whitecroft.

413. Rhagium F. H. & H. 750. Sargium Lea:

1 Indagator F. Pg. 82.5. — Rochelle near in abundance
inquisitor L. var.
minutus F. var

2 inquisitor L. Curt. fl. 750. Pg. 82.2.
vulgare Lea
mordax Ol. 4. t2. f. 12.

3 bifasciatum F. Don 3. fl. 94 f. 1.
dorsalis Don 11. pl. 395. 1 var.
limmulata Hear var
nigrolineata Don. 11. fl. 393. 1

414 Toxotus Meg.

1 meridianus L. Don 13. 435. 5
cervicus Ol. 4. t1, f. 26 d, t3, f. 2 c d.
geniculatus Lat.

2 chrysogaster Ol.
mefoventris Mar. 221. 2 d. Hbst 3. 172 d. f. 182 f. 2 g
Pz. 25. 10 g

415 Leptura L. C. B. C. 362.

1 elongata Dely. Don. 3 fl. 84 f. 4.
armata Herb.
rubens L.
calcarata F. S.
crinata F.
subspinosa F. g

2 attenuata L. Pl. 2 no 73. Ill. 1 f. 8. Schaf. 65. 114 & 39. 6

3. 4-fasciata L. Sam. fl. 2 f. 66. Ol. 4. t 2 f. 17.
8-maculata Dely.

4 apicalis Kirw. Curt. fl. 362.

5 aurulenta F. Pg. 90. 5.
4-fasciata Rossi.

6 revestita L.
villica F. Pg. 22. 13.
fusciornis Mar g

7 virens L. Pg. 69. 13.

8 scutellata F. Pg. 69. 15.
niger Geof.
funereus Geof.

9. nigra L. Pg. 69. 18.
picus Geof

10 melanura L. Pg. 69. 19. g
similis Herb.

11 sanguinolenta L. Don. 16. 557. Pg. 69. 8. g
variabilis Dely.
ignatius Geof.

18 tomentosa F. Ol. 2 f. 13. c.
affinis Mar.
melanura var Linn

Hedge in Devonshire & Birch trees Rochelle. & Oak in Devonshire Stumps, Hedge
May in flowers of Hawthorn, mountain ash, white thorn & hawthorn & oak in
June Combe near forest Hay.
May & June near Combe on flowers of hawthorn
Rochelle in Devonshire & birch trees in winter in S. & Hanning & Broxham
also under bark of oak trees, Coppicewoods
Mar Sept. Bagnot & Devonshire Stumps & birch & in abund. Mr Wood

m. Mar. Combe.
June umbelliferous plants & f.
& Aug

June Mars in hedges & woods & f.
& July

May very common on umbelliferous Roof. & oak &c:
June flowers in hedges.
July Dorset. Shireo. for in oak. birch &c.

Larva in small dead but not decayed oak branches, P.D.
June Parent on umbelliferous plants

May umbelliferous Cowley, Battle in decayed tree Downing marshes
Aug.

Larva in rotten stumps of Birch, Sandy Mr. Matthews, & Mr. Davies.
c. June Windsor, New forest. New Lanark. Downing
July.
m. Aug. flying on shrubs of Lock Pad & on a Pear tree at Stockwick. On Birch. Shireo. &c
in beech-trees Arundel Park on a stump of Dr. Hero Forest, Mr. Davies
meadows at Bideford. banks of the Bridge, at Arundel & Stw:

June, stump of an apple tree, Windsor: Cowley Battle, Rainbridge:
beaten from oak, Dauiault forest & S. Norman

June Epping forest under bark of decayed beech tree in New Forest abund:
Aug & sent all dead. On Birch. Shireo. &c:
m June to c. July on & in decayed stems of Hornbeam, Dauiault forest, 1824. Bond
Aug on Rotten stumps in the same wood:
b. June Lepid Insect & 3 legged cross on umbelliferous flowers. Dauiault forest.
c. July. Flower of Regent Fieldhurst, Kent.

June Norf. Parent. New forest, on umbelliferae
July,

June garden Norwich & Bungay Caff. S. g

Climbing on grass Hartlan Hospital Major Pond in abund. Mr Ellison
June on umbelliferae

Lar. & pupa & beetle of Stenocorus nigrivittatus under bark of Pinus maritima dead & bent down in Nov. 1839 Leon Dufour in Ann. Ent. Soc. 9. 63; pl. 5,

Drawing & description of this species & of the multilineatus discussed by Dr. Schwarz & Dufour, says is not the female of this

Grammoptera Lac.

12 lanio F. Pz. 32.15. — June Lord Forfeichen's woods, Mid-Calder
chrysomeloides Schr — July common on Norf on umbellifera
genii Gmel.

13 prausta F. Pz. 32.16. — in May New Forest. 18 bent nat of Lymington
splendida Herb. — June 9th white thorns in flower
astulata Gmel — Aug. nat of Beech
adusta Gmel

14 femorata F? Ol. 42 f. 15. — June flowers Darent & New Forest, on white thorns
varians Meg? — May, bent nat of Oaks & White thorns in Norwood 16, 18 & 28
abdominalis Ste

15 fallifes Curt. B.E. 362b — Sep Norf. 1b
June, Daniel's hamp, Rich. 3.2.1.

16 ruficornis F. Abr. 12.12. Stum Verz. 1.2 f. 9. — June common on Nettle & Sufferwort abundant on Mt of Lincolnsh.
lanio Herb. — July
femorata Mac — Larva in dead stalks of Hibiscus syriacus & Sep. Neat the land & wood. Mr Jenyns
17. sexguttata F. Pz. 69.22. Schaf. 59.11 & 39.11. — June Darent & Birch on umbellifera. New Forest J.C.D.
exclamationis F. v. — 26th Bramble flowers, Scarning nd. V.W.
punctomaculata Mac. F. Schaf. 161.4. & 182.4.

416 Pachyta Meg. C.B.E. 362.
19 livida F. Ol. 42 f. 50. — June common on Umbellifera, Cl Cranwood J. & W. Daniel's hamp.
July. Very abundant at Gainsborough in 1842 not one in 43. P.W.

1 collaris L. Ol. 42 f. 44. — in May woods, Greenlithe in sahs: Hartley: beaten off fir trees & white thorns
ruficollis Dely. — 6 June abund on umbellifera in hedge rows common? Hedgeman. Leominster
thalassina Schr. Schaf. 58.849.
18 virginea L.
violacea Dely.

2. 8-maculata F. Dor. 10.353.2 — June common in Sparsholt & Devon J.C.D.
10-punctata Ol.
4-maculata Scop.
6-maculata Dor. Pz. 69.21.
3 Lamed L. Dor. 11.395.2. Pz. 22.11. — Drury's Cab.

417. Donacia F. C.B.E. 494. Syst. 3.646. Steph. 71.
A
1 crassipes F. — on Sagittaria sagittifolia nr Norwich in abund.
nitens Mac. — 2 June, water lily. H. W. Bate
striata Pz. 29.1. — Cocoon attached to roots of Phellandrium & Nuphar lutea Curt.
aquatica Dor. 3.31
2 cinerea Germ. — 4 & 6 Aug. flying over water lilies on Norf's river & on Nuphar lutea, Bungay
bidens Gyl. Ol. pl. 2. f. 12. — Common.
clavipes Pk. — May rushes in ditches
3 dentata Hoppe. f. 2. — 6. Aug Bungay Common on a Potamogeton in abundance Arundel, Stev.
Potamogetonis K. — July nr Salisbury
bidens Gyl. — 22d June nr Langham
4 angustata Germ. — Wandsworth Common & banks of Thames
bidens Ol. 4 no. 75. pl 2. f. 12. — 8. Aug. sides of ditches, Arundel.
lacunosa K.
5 melanocephala Mac. 348.18. — May aquatic plants common Norf.
Sparganii Germ? Abr? Syst. 4. 672

in a cell in the wood in Bibl. Mus. Paris d. 7. d. 2 ser. v. 3 p. 551.

The Ova of some Ave in the forks of Sparganium ramosum, submerged 27 July. They form a brown semi-transparent cocoon, of parchment like, among st the roots.

B 2

6 Lemna L.	
vittata Pg. Man	
limbata Pg. 29. 11 + 12.	
7 dentifera L. Pg. 29. 5.	
fasciata Man	
vittata Ol.	
8 Sagittaria L. Pg. 29. 7 + 8.	
collaris Pg 29. 8.	
9 trinervis Kung. Gyl. 3. 672.	
10 obscura Gyl. 3. 652.	
vermona R.	
11 Malaxsina Gron Gyl. 2. 675.	n. Bristol.
12 inferna Gyl. 3. 655.	Kensington Gardens: New forest & Hyde.
similis R?	6 Aug: sides of Ditches, Arundel, Sus
13 verna L. Pg. 29. 2. 3. 4. 6 + 9.	6 May very common in Ditches, Battersea, Norwich, Mr. Crowe Jun. Camb?
Zostera Man minus Pg.	6 June in Portsea aquatica & leaves of Water lilies Ch. & Mr. off Kempenfeldt Salty
Nymphaea Man	
discolor Pg	
Proteus Kung	
14 minus Ehr in Nov. Act. Hale. t. 3. 28. 1.	
aqua Man	
15 mutica Schk Hoffm. f. 8 + 9. 8 g	6 June off rushes, sides of the Navigate near Greenwich. by Bagley: plants in Ditches
fusca Man 8	
discolor Man nigra Ol. fl. 1. f. 2. 3	
16 nigra L Pg. 29. 10	n. June on reeds S. of Ch. Cross Wall from Chine in abund.
fratuchus Man.	21 May Tollebury. Plants in Ditches Norf. rare.
C	
17 Menyanthes L. Pg. 29. 18	8 June rushes side of canal, Oxford. On Iris Norf. & Ditches Pedrick Bridge May.
trifolia Man.	
18 trifolia L.	16 July, Battersea. Mr. Hoom. aquatic plants, Salisbury
semiuprea Pg. 29. 14.	June Ditches Norf. rare & at Oxford. Sc. plants sides of rivers, Huffors
19 Cicuta Hoffm. Pg. 29. 15.	15 June Highgate Hill Ponds
virosa R.	May Norf. & New forest com:
aquatica Dod. 3. 84. 3.	Lava Cross bot: leaves of Sparganium ramosum; Mulvant; Lain de Dolyons.
20 Typha Ehr Nov. Act. C. B. S. 294.	6. June off leaves of Typha, Fulham. New forest.
latifolia Gyl. 4. 672.	6. July Rougham side of large fens
21 Hydrocharis L. Pg. 29. 16.	6. June rushes New forest: on a bank Wrentham, S. 6. & in May
Hydrocharis Man.	8. Aug. sides of Ditches, Arundel.
stratiotes Pg. 29. 17.	

the leaves. The white jelly like frog's spawn is caused by the larvae feeding the stems

418 Macrophea Hoff. C. R. E. 318. Gamonia Meg:

1 Zostera F. Gyll. abs. 12. 14. — Spun in May under the sea wrack & C. Ball. on Plumegillia [illegible] E. Mus. 38. Lime on aquatic plants. Hall. In water Thaxter & Norwich, side of the Lynn Canal 29 May n. Brandon & Hoff. Norf. in ponds water debris on Zannichellia palustris Lake of Forfar. 26. Aug. of Leuds, Grantham & others
matrium Pk. 683.

2 Equiseti F. C. R. E. 318. — Spring on floating weeds in a brook at Bradfield Combe. Lynton.
appendiculata Pz. 24. 17.
Zostera Gyll. 3. 669.

419 Crossocera Lat. Gyll. 3. 642.

1 chlorotica Lat. — e. May woods Grantham & Caen wood & Dunt wood on Sallows. white thorns New Forest J. C. D.
Cerasi F.
fuliginellis Pz. 83. 8.
glabrata Pz. 84. 6

2 nigriceps Lat.
bicolor F.

3 humeralis Lat. Lis. Nat. 11. 350. — May & June Dates & white thorns, Hendon.

4 cantharoides F.

420 Crioceris Geof. C. R. E. 323. — June Gyll. 3. 635.

1 merdigera L. Pz. 45. 2. Sampl. 2/14. — e. June on white lilies in gardens.
Larva on Lilies. — Pupa in a Cocoon in the earth

2. 12-punctata L. Pz. 45. 3. — June on Asparagus but rarely
July

3 punctiollis Spe. R. E. 323 — July on Thistles not uncommon at Bungay & in Suff. sand pits Bexley.

4 cyanella L. Pz. 71. 1. — June on grass & under bark of willows in Norf. abt. Sept.
July Dover
Aug

5 obscura Ste — Norf. Lowestoft & Lowestoft in Bunbury.

6 melanopa L. Pz. 91. 12. Gard Chron 1849. 32. 7. 8. 9. 10. 11. — on the under side of the leaves in clothes
R. A. 7. 7. 81. — m. May under cliff at Cromer.
July skirts of woods: com. Norf.
Sept. sw. on leaves of beech at Thetford. on Det sand hills & Lindwood.

7 Asparagi L. Don. 1. 28. Pz. 71. 2. — May upon the asparagus very com. in Norf.
G. 6. — June Milton a few.
Sept.
Larva July to Sept. feeds on the leaves: Pupates in the earth

421. Lengopliora Lung.

1 subspinosa F. Pz. 83. 10 — b. June Darent about on small Poplars. Little Saffron & Aspen Norf. & Sept.
July, Skirts of woods & Elms, Sam: Hayes, Shut hedge wood, Leicester. Birch-w.
Sept. Hainault, Essex.

2 flavicollis Mac. 217. 8 Gyl. 4. 671. — June, Bexley, skirts of woods, Samouelle.

422 Hispa L. Gyl. 3. 448.

1 atra L. Pz. 96. 8. — Roots of grass.
spinosa F.

Aug. 12 Laid on stone a stag like larva feeding on Oak leaves at Sp. Brook. June 18th it formed a chrysalis in the case amongst some mouldy corcoons & an Ichneumon in the box. Also bred from Wheat leaves by J. C. W.

Colchester 28th

Larva of Anemium (?) species in minute lenticular Parenchyma of Aspen Poplar, Robinia & Solidago. T. Harris, Entom. p. 73.

423 Cassida L. E.B.C. 127. Roesel. 2. Class 3, t 6. Syst. 3. 434. Mus. 42.

1 equestris F.
viridis Mus. Pz. 96. 5.

m. Sept. Farnborough in plenty
May waterside in Hove meadows Martha, Sydenham, Croydon &c
Aug

2 thoracica F.

3 rubiginosa Ill.
similis Mus.
viridis F. Pz. 96. 4.

c. Aug bred from larvae on Thistles. Ds. received the perfect insect
May Norfolk
Aug Dipsacus in Battersea, Streatham, Croydon
May Edinburgh & Dunse

4 murraea L.
maculata L. Don. 8. 285. Lam. 2. 10.

Com
Aug Sept. Edinburgh Leyton &c
Com

5 vittata F.
ocellata Duft.
Syst. 3 n 8

c. May & Sept. Surrey, Mr. Forster, Mr. Spill. Valley Wealle
in Scotland, yellowish when it first comes out, also at the roots in winter. Mr. Bree
July in Windsor Forest, Windsor.

6 Vibex L.
Lirioflora Mus. Lin. Trans. v. 3. p. 8. Mus. 125. 5

c. Oct rare Kent. West Ham. Streatham, Croydon
c. July & Aug Mullers Copse

7 nebulosa L.
affinis F. Schaf. Ic. p. 27. f. 4.
R. R. 5, 8, 410, 411. S. p. 25. 27.

Aug in Dorsetshire. East Tor marshes. In Norfolk Rev.
Not Cambridge Rev.

8 lemniscata F.

Large abundance bred of Red Dock Beforeness which they riddled. The larva is attached
R. R. 8 116 p. 1081

9 obsoleta Ill.
marginata Lam

Larva c. June on Sow thistles, pupa 7 days, imago, bred on Flowers on Sept. Aug pupa on R.
Cambridgeshire & London. In Dunwoodie, Stirling.
May on Broom.

10 sanguinolenta F.
cruentata Don. 2. t. 63. f. 2. 3.

15 June off Melons by Scraptoe.
May, out in a garden at Harpenden near with Gladiolus, Lambs of Trent &c

11 singularis Steu?

12 viridula Pk.
Sersula Mus

July on Lime, Surrey, Sussex, Fields Roe, Bridley F.S.G. from
Aug on Pale Rees

in com. field

13 Salicornia Cust. B. E. 3, f. 27. Fresh pale

c. May upon Salicornia rectuvex, Kent & Sussex.
c. June
m. Oct under a stone imbedded among Salicornia, Pewsey Aug. &c.

14 nobilis L. Don. v. 138. f. 1. Lane & Nicholl black.

May on Euphra minor Rad.
13 June Slapton Lea Devon.
c. Aug

15 splendidula Mus.
pulchella Pz. 33. 15.

13 June Slapton Lea Devon.

16 margaritacea F.
notabilis Ill. Ent. f.

17 anglica Cust. green. Dis. of Thorax & elytra metallic green
reticularis Ill.
concinna Ste

11 Aug in Sandhills Sandwich off Mint in Sunla
Oct. off Elms Gl. & root out
15 Sept. sand hills. Bourne mouth S. C.

18 hemisphaerica Duft

to the Conf. 25th July a dead Larva produced 7th of a little bluebeetle

424 Galeruca Geof. E.B.E. 371.

1 Tanacetii L. Pg. 102.2. Lamp. pl. 2 f. 13.

2 nymphaea F. Pg. 102.1

3 crataegi Fabr. mus. 228.23.
sanguinea F. Pg. 102.8.

4 Vibumi Pk. E.B.E. 371.

5 Capreae L. Pg. 102.7.
saturata Steven.

7 Populi L. Pg. 102.6
marginalis Lat. var.

8 Sagittariae Gyll. 3. 511.8.

9 Calmariensis L.
Lythri Schr. var.

10 Lineola F. Pg. 102.5

11 xanthomelaena Schr. Enum. Ins. Austr.
Calmariensis Fab: Gyll. 3. 508.6.
Ulmi Ol.

12 Tenella L. Pg. 102.9.

425 Adimonia Schr. E.B.E. 370.

1 Alni L. Pg. 102.3

2 halensis L.
nigricornis F. Pg. 41.9.

Anchenia Steph.

3. 6-maculata L. E.B.E. 370.
limacularia Pg. 48.10.

426 Luperus Geof. E.B.E. 372.

1 rufipes F. Pg. 32.5.
longicornis F.
flavipes Pk var.

2 flavipes L. Pg. 32.4

Galerucinus Dill.

3 Brassicae Pg. E.B.E. 370
circumfusa Mar. 227.22.
ovatulella Schr.
fratii Kat. Deft.

It was in myriads along the eastern coast of Lincolnsh. at Cleethorpes & in the North in 1836 after an easterly Gale.

May June chalk pits Tranent Lothian on Glaucium on Barley ears

Sept. 23. on the Tansy at Ch.

Sept. 1 on a garden of Mr. Hall Esq. Gradswell, Stafford

June & on plants on mountains Ben Wyvis nr. Ross

18 July
Sept. Plumbii, wood nr. Sherborne, E. Farell

May on the Thorns Hoy.

June sandy places Bexley. Dry woods nr. Swansea & Lun. Oct. Dorset
in May Middle woods nr. Ch. Ilbermon Oxfordsh. the larvae eating the leaves in May
at the Bromsgrove at least at Lincoln on Alders, S.C.

May June on leaves alder & aquatic plants. Hoy.

1 May
at Lymm on aspen, Brandwood Lancs. S.C. Sth. S. on Ch. wood, Norton

May aquatic plants.
June

on Sagittaria sagittifolia & on aquatic plants

3 June Chatham Lea Dunn.

May on Lythrum Salicaria

on June B. Sheffield Lea
Barton Hall & Stockport on Lark Mt. Cloud

on willows & aquatic plants com.
B. June Mapleton Lea

Feds on the leaves of some trees.

Rachelle
June on alders & willows in marshes Mr. G. Wort.
July common in Hayf. Ly. coll. with Sagittaria, S.C.
B. June, Chalton Lea, Devon.
6 May Walker coll. with aquatic plants

May Alder leaves.

Larva eating the leaves in June
4 July Dorset
5 May common on alder, hundreds on furze, grass, on hedges, woodbines
to
2 Oct. on hartbane on Scutellaria galericulata Linden of Lymington Dog
Sept. on wild Sage, Leicester

2 June under on alders, Hackney Marsh, Barning marches
1 July, 8th on reeds, Rainergate, Hoy. 5th in grass in a Copse Cygnus Blanes S.C.

May on hazel. In 1835 it swarmed at Epping.
6 June under Bailey Copse, New forest; 2 June 6 July, under the leaves of hollows.
6th very common on Oaks Ebrington wood.

2 June on bushes Damp woods; Hen fair hill.
6 July, feeding on underside of hazel leaves Cuckfield Sussex

on Sweet 6 dap. w. on heath, Pudley & Bournemouth June: on a large oak Hoy & Brattl
Newcastle; Swansea, on Boston Common Hoy. S.C. 27th 26 many pairs at Dudley Hence to
17 June many pairs on Dudley bushes, by Holmes & some bushes.

427. Galtica Geoff. Altica Geof. Curt. B. E. 230. Phyllotreta

1 antennata Ol. Pg. 99.5
nodicornis Mar.

June Milton abundant on Rorippa sylvestris
6 May Knaresborough. Swanwick of Mr Walker's Sheffield. Soft.

2 Brassicæ Ol.

Winter, common under bark in Christchurch Meadows, Oxford, Z. Holmes

3 Nemorum L. Linn. 10. 504. Pg. 21.19.
Fab. 82.21
on Ranunculus Ficaria 85

O The Summit Fly abundant on Radder & Horsforth
11 May & Sept. Bowmansides on Turnips & Rapeseed in Cambridge Mus. M.
Sept. & many in grass grass pot on Ranunculus
May on Horseradish leaves at Hayes
May Ledges & Lowes Bexley Tropæolum Allemanicum Edinburgh. Soft.

4 flexuosa Mar. Pg. 25.2
ornata Steo.
Nasturtii Pg. 25.3

Winter in moss.

5 vittata Ste

6 Lepidii G. H.
nigripes Pg. 21.5
Linn Hunt.
elongata Ste

June on Iberis Coldham, not uncommon. Wings bad, Rev. Stor. Kenth.
July, Sept. common on hedges in Devon
Sept. Mr Stokes & communicate Soft. in Sept. & Aug. eating epidermis of Pigeon cabbage
6 Sept. Soft. Fabian in Charlock & Raphanus, the latter now completely riddled, Soft. from Mr Fox
2 Sept. & May in Willow abundant on a Card. in Mr Salter's garden, Soft. & previously at
Chase Farm & Brocoli at Hayes

8 and upwards

7 obscurella Pk.
atra G. H.
punctulata Mar. 230. 7.

8 melana Ste
atra Pk.

9 nigro-aenea Mar.
is Chalcis. anidella

10. 4-pustulata Mar. a var. of Tenuora
4-guttata Ste.

12 Cyparissiæ G. H.

July Wheathampstead, Mr Bowman.

Euphorbiæ
13 Euphorbiæ F. Mar. 230. 84.

June Norw.
1 May Mr Rye Euphorbia amygdaloides Crawley wood: May common in hedges Ha. Dunfanhill

14 atrocærulea Ste

May Chislehurst & Sec. Mr Bowman & Mr Stainton
2 June in Kempton. Soft.

15 cærulea G. H.
hyoscyami Pg. 21.6.

Oct. Broad Ness, Mt. Wood
June Mr Jas Woodwarden S. of M.

16 Pseudacori Mar. 196. 63.
violacea G. H.

Oct. Broad Ness on Iris Pseudacorus.
6 June on the Iris - Reeling, very abund. in Hewenden Marshes & Hyde

17 fuscicornis L.
fulvipes F.
rufipes Mar.

in Aug abundant on Meadows, clay bank, Ribbesford Castle

57 erata Mar. 230. 87.

8 Oct. Bodmore off Grass
2 June Leamwood Soft. on Brambles conv.
6. Aug. Arundel, Steo.
May Dotting Strawberry plants, eat young leaves & Newm. S. P. M.

58 striatula Mar.

May on Willow & hedges. Willow, chalky banks S. C.

59 Rubi F.

16 May Dangs flower Millett's Copse S. C.
6. Aug. Arundel, Steo.
19th June, Lamb Soft.

60 brunnicornis Ste

1 Pl. consobrina Cant. B. C. fol. 630.
Dishar Rudge?

2 P. ericifolia Cant. fol. 630.

Mastichia Pz.

30 Pl. in Cabbage Gardens near Flax & potatoes; some Radish & seedling Cabbages & Cauliflowers

11 herbigradus Wilk

Feb. the commonest species on sunny sides of stone walls, I of Mt. Dawson
22 Apr. eating Cresses
9 May cut 3 holes in Horseradish & Cabbages, Radishes & Charlock riddled by them
12th Cauliflowers, seedling Cabbages

Oakbrook Derbyshire Rev. T. Hay.
Christchurch meadows, Oxford, Mr. T. Holme

8 June Potato Bridge Cuff

13 Aug. Whitebeam with small oars Land & other kind Thighs
6 June off grass Lymington J. C. E.
6 July 42 copper rays drum. off long grass on hill at Bodeaux m. 5. 44
Apr. on sunny sides of Downs I of W.

a I of W.

	on walls or mallow flowers Lymington.
	Oct. 15 in calyx of Malva alcea & rosea: the seeds of some one year old & many of large in their. Hence also Mr. Jobson found it at Fulham but could not see them.
61 fuscipes Pg. 21.11. Eng. 28.5.	Mar. 13 under turnip hedge Essex. Mr. S. M.
rufipennis Don. II. 365. 3.	Apr. 15 immense quantities on grass banks of Malva alcea, Mr. S. M.
	Sulphur, red, pale & yellow all figures, holly & oaks at Fulham & many other trees among stones & flowers at the roots
62 tripudians K.	May nettles & mallows hedges. Eng. frequent on dwarf mallow, S. of M.
is a Macrocnema	
62b ferruginea Steph	May on Nettles & hedges Norf.
transversa Mus. 203. 88.	July damp meadows, fens & bushy & dry upland pastures S. of M.
	Aug.
63 flava L.	Thistles, Arctium, wood, common, K. M. Lyeo.
similis K. immature	
65 affinis G. H. M.	May hedges & nettles
atricilla Pg. 21.8. Don. 10. 500	
sordida M.	
66 Salicaria Pk.	6. Aug. in Lara Lincoln. Brightlingsea.
	July & August.
67 modesta L. Pg. 21.9. Don. 10. 502.	May on nettles & hedges, hemlock, meadow sweet, Eng. Sterling, on mallows Lin. Linnæ & Newchurch marshes S. of M.
68 rufipes L. Don. II. 365. 2.	
rufescens Mus. 3. Pg. 21. 2.	May hedges & hedges on mallows, S. of M. Lymington, Hampshire, grass, flowers admit S. of M.
	6. Aug. on flowers & mallows Dover, also in grass hedges.
69 femorata Gyll.	June, Kamiesham, Norf. S. of M.
70 Helxines L. Pg. 21.6	Oct. Pelmore, Sallows
aurata Mus.	May Norf
	Aug. Norf
– fulvicornis F. Ill. 1. 257. 153.	6. June Dorset
– fulvicollis Steph.	6. June Dorset
71 notidula L. Don. 8. 270.	6. June Dorset
	May Willow Norf.
	Jul.
72 cyanea Mus. 190. 2.	6. June Dorset & Epsom the seeds. Walton
gaudens K.	6. Mar. on Erysimum barbarea.
74 apicalis Steph	
grapidora	
75 Oleracea L.	May Fruit trees. Plantain, grass, flowers, S. of M.
	6. Aug. abundant on Sedum [illegible] Radcliffe
	on Sinapis arvensis in fields at Paris. In 1837 the beetle devoured the vines around
75b indigacea: Ill.	Montpellier Don. 8 P. 6. XLIX
76 Brassicæ Pg. 21.2.	June on Rocket, Sinapis, Rape, S. of M.
	6. June on the young buds of Oaks at Paris very common

63. Kirbii Ste
cyanopterus K.

From Mr Lattebury in Mus: Kirby.

427b Thyamis Ste.

18 Cynoglossi Mar. 205. 88. L. pustulata Pg		Aug on Cynoglossum officinale nr. Southend, mary E. Smith.
19 Verbasci Mar.	Pg. 21. 17.	6 Aug: on Verbascum nigrum, Brighton.
20 Thapsi Mar. 202. 79.		6. sept. on Verbascum thapsus 13 Aug. Camb. nr. Hagworth
21 Labiatæ ?	Pg. 21. 15.	21 Aug Hampst: 13 Camb. nr Hagworth. Lucio Isle of Wt. June I of Wt.
22 Flavicornis L.		2 July Chislehurst on Clitoria May Hampstead on Charlock in a ploughed field nr St Catherines light house, I of Wt. confinis & bellicus
23 atricilla L.	Cop. 1. 81. 5.	June Hampstead May nettles & hops 25 Aug. Ex Cannt 2 July 22 Sept Coombe nr. Meadows, grassy places & thorn nr sea. I of Wt. Hic confinis & bellicus
24 Incisus Ste		
25 Funeralis Mar 20. 76. melanocephala Gyl.		May nr. hedge places Com. in barbar & moss, I of Wt. 2 July in Echium & nettles, Lewes & Chislehurst.
26 confinis L.		
27 atricilla Ste exoleta Mar.		
28 lutescens Gyl. 3. 540		
29 ochroleuca Mar.	Gyl. 1. 655.	7 Oct. abt in pastures Gyl Wool. June, nettles hedges, 7th ~~[illegible]~~ island Common Cross & Mailer, Copse 20 Aug at Cowleaze in grass copse at Buccombe Wt. Ms. in abund. July in garden I of Wt.
30 naturalis Mar.		
31 Hasturtii F.		
32 Thoracica L.		29 June. Leaves by hedge I of Wt. & in copse nr. Ryde & St Lawrence. 18 May Sh
33 fuscicollis L. dimidiata Ste		
34 Ballotæ Mar 205. 89.		April abund: on Ballota nigra, I of Wt.
35 fraternus Pg. 21. 16.		April not uncom: I of Wt.
36 fallens L		
37 abdominalis Meg		

38 pusilla Gyl. 3. 549.
Anglica Mac.

7 Oct. at Meadows Gl. Wood. Wood abund. I of W.
18 May 22 off grass, Marland Rental Dark thorax

39 collaris Ste.

40 lunda Gyl.

7 Oct. at Meadows Gl. Wood. Wood abund. I of W.
18 May 22 off grass Marland Rental Gl. Wood with dark suture

41 castanea Meg.

42 brunnea Duf.

43 lævis Duf.

44 fuscescens K.
fratularis E.H. Gyl. 3. 537.

5 May Freshwater. I of W.

45 nigricans K.

6 June Wimborne

46 læta K.
strictorum Ste

11 dorsalis F. Gyl. 2. 28 f. 8

Colpa E.P. on Rosewood. of different of Lutland.
May on a bank among seaweed Hurst Castle warm.
Under in Lucio-Scolæa, I of W.

47 Anchusæ Pk.
convexa Ste

in Anchusa & Lithospermum

48 parvula E.H.
pumila Ill.

Apr. Sandown. I of W.

Sept. Middlebury.

49 Pulex Mac. in var. Euphorbiæ

26 August many off Sea-wormwood Greenlands

50 hilaris Ste
pilaris K.?

51 Holsatica L.

6. June on Pedicularis palustris
17 May & Rushes. Cosmore gravy
4 July on? E. E.

527b. Mantura Ste.
52 rustica L.

out of Moss, sandy common, nr. Newcastle. I of W.

53 semicæca F. Gyl.

1 June Cockshe. nr. Colniton, Devib. v. ab. in Clover fields, R. H. Eyes.
May nettles & hedges. O
Out of Moss I of W.

53b Mannerheimii Gyl. 4. 664.

54 Chrysanthemi E.H.

55 acuta Ste. — 2 April upon a Pot under Willows marshy Elms Abcham Essex

56 obtusata Gyl. — Apr. on Dwarf Oaks, chalky soils. Coffe.
June Gogmagog hills & Camb.

+28 Macrocnema Mag. — C. R. G. — 286
1st Julianna — 5 Aug. Brighton, not uncom. on Thistles, Stev.
April among sides of stone walls. Coffe

1 Chalcomera Hl.

2 Hyoscyami L. — May Kempt on Barbs & Southend Coll. Coffe.
Lond. Hl.

" 3 Immaculata Curt. H. L. — 286 — 5 Aug. amongst grass on a sea cliff Coffe & on Hyoscyamus niger at Pole
Chalcomera Hl. Syst. — Isle of Thanet burning cliff.

3 Mali Gyl.

4 Rapa Hl. — on Kimmeridge Clay Dorset

5 Chrysocephala L. — on Jul. Dover — Tilney Dover
Mali Pz. H. B.
erythrocephala Lear. Sum on wood, Lulworth
2 capitata F. L.

7 Crassifolia Mag. — on Dover & Camb.

8 nigricollis Hl. Lar. 205. 91.
anglica Gmel.
cordata K. var.
8b marginata Hl. Mag. — Apl. Southend, Essex. In Capsella marithma, Hulme.
Aug. Brandon Barrens, of Bartgrass roots.
On the Euphorbia, St. Mary's Scilly, Rev. T. Hulme

9 fuscicornis L. — June gardens Southend & Camb.
May [illegible]

9b cornicalis Ste — April not uncom. Coffe. Dawson

10 exoleta L. F. S. 521. Hl. 321. Cat. Hoff. p. 17.
nigriceps K. — Cornl & Oxford among grass.
8 Aug. numbers perforation leaves of Solanum dulcamara in my Garden. 25 & 28 on Potatoes
& Ed. Broad Beans

10b pallida Mag. Hl. Mag — on Southend

36 fuscina Mac. 206. 92. — May nettles & Hedges. Yorks. Leph. & Oxford. Bateson & Duncan.

36b Echii F. H.

Sheriffs Ord. 1350.

Feb 46 in same place by Victor Dawson.
app. to Edinburgh or Dumfries Ward

of Ais

May 1 at Victor, Dawson.

228a Sphæroderma Ste.

27 testacea Pg. 21.13 — June Hedges. Soft. abund.

28 Centaurea K — May nettles & hedges Rod. Soft. abund.

29 Cardui Gyl. n. v. v.

Asterodia 30 orbiculata Mar. 200.72.
granulis E. D. — Mar. in mos. J.B.D. Fulham Fr. Baker. Sun moss & Copse P. Laurence, Soft.
May nettles & hedges, Roy.
Plane on Lime & Chestnut Hedge n. Bridge Park
6. Aug. Brighton.

31 globosa Pg.
conglomerata Ste.

33 Mercurialis Del.
fumigra Mar. — June hedges n. Darent n. Sp. & Hilton
July 4th
May on alt. n. Mercurialis — Sutton & Grovelay n. Soft.

228b Myriophila Ste

32 Seminulum Cur.
Maconum E. H. — Cadbells. n. [illegible] Brentham, Eastbury, Meldon Park, Malden
[illegible] Bromptonbe, Very plentiful in moss Franklin Copse.

228c Chætosphæria Ste — Dontosphæria Ste

34 cindella E. H. — June Fulham
Plane on Lime & Horbeam Bridge front

34b Sahlbergii Gyl. — May edge of Plantation Kew, Soft.
and P. Baron, Cumber.

35 aridula Gyl.
æneofusca K. — May & Bordered Hazel, and [illegible]

37 concinna Mar.
dentipes E. K.
Cutis in K.R. f. 2. 211.
38 fuscipes K. — Fruit on Turnip, Dissing Hop shoots in April May
Sidney Hampst.
[illegible]
May nettles & edges, Plane Dr. R. Mac Gregor n. Soft.

40 saltitans K.

228d Dibolia Lat.

42 Cynoglossi E. H.
fallipes Mar.

41 occultans E. H.
exaltans K.

228e Cardiapus Curt. A. E. — 235

Mathewsii Curt. — June on a Beech tree Kent. Mousall Dale, Derbysh. on Thick moss by side of the rock
Sidney

Helianthemi Curt. n. v. v.
thorax more deeply punct. — June on Helianthemum vulgare in Pentl. D. & Sh. Coast: mss by E. C. B.
July abund. on D. on Hill at Bardean & on D. Hills. 1st abund. Cop. mag. of Fields C. B.

229 Cimolsus F.
1 obscurus L.

2 pygmaeus Ol.
Dillwynii Ste — On Willow Pendles, gen. in Lancs. Dillwyn

3 Robsoni Cent. Ann. N. H. 5. 181. — under bark of a Poplar tree, Longhead Hedge nr. Charlton, Robson

4 Badgeri Ste.

230 Clytra F. — L. B. 2. 582. — Cat. 582.
1 bidentata L. — B. E. 583
longimana F. S. — Pz. 48. 2
— nr. May Comm. & Parnt. nr. Sheppy. on Willow, Hazel, Birch, Hawthorn
in June. Clapham Wakefield, Beds. Whitlebury Northamptonshire
Larva of Brunn.

2 tapicornis F.
similis Ill.

3 longipes F. Dej. 5. 20. Cat. Crum. 181. 2.
nr. May roads in Chat. Brecks & Cambridge. On Hazel

4. 4-punctata L. Dej. 4. 111. 112. Pz. 106. 11
of June in Cambridge 182. Parnt. Kent. Dej. Cheppy & Regent on Oak
Hampshire in Elington nr. Chichester on Birch trees

5 Asiatica F.
nr. Barley nr. Gravesend on Beech trees.

231. Cryptocephalus Geof. — C. B. 2. 95. — Cat. 3. 595
1. 6-punctatus L. Pz. 68. 7.
nr. May Grenadier woods nr. Croydon
June. Sallows in moist woods Kent & nr. Hazel
Hatfields on the Birch.

2 Coryli F. Cat. 321. 1 Pz. 68. 8.
Vitis Pz. 68. 8.
June. Hazel Kent. on some Hatfield's wood Hazel

3 Sericeus F.
Banks nr. the Wye, nr. Mersham. & Rochford Essex.

4 serviens L. Cat. 321. Pz. 8. 9.
in June, on flowers Singhurst. Blackheath, Croydon
Flowers of Euphorbia & Veratrum Ca.
Larva unknown

5 similis Lea
13 Aug. Hickleham. Arundel Park.
June, flowers in wood pits, Kent
on Isley Down.

6 vitellus L. Pz. 68. 8.
flavipennis F. S.
June, under Dwarf oak

7 bipustulatus F. R. E. 35. Pz. 68. 10.
distinctus Pk.
June on grass, New Forest L.C.
on Isley on heath Parley Cop. Ch. D.

8 Lineola F. Mus. Pongel. 102. 10. Cat. 3. 99
bilineatus Don. 3. 99.
June wood near Kent. Dry rotted wood on Birch. & Oak, Plumstead Common.
Oct. Pz. on Bog & grassy places, New Forest.
Parnt. hazel & oak

9 nigripennis Ste. L. 359. pl. 33. f. 6
bothnicus Herb.
nr. Croydon Essex

The larva lives in heaps of wood collected by Formica fusca, & feeds on billets of wood. They are very abt. under dry oak leaves in the forest of St. Germain. Ann: Ent. Soc. fr. I. III. Chevrolat. & Mar. & Aspr under stones with Ants' Nests: M. Farmier, Dijon.

2. Mus Linn. Ste. 5. f. 25. Fig. 39. 17. Fig. Retting, Sale of. T. Mr. Hope

10 Morari L. Pg. 68.11.	Larv. [illegible] feeding on Equisetum [illegible] leaves, [illegible] in abund. I. C. 8. 20th on Hazel. 29 July. I saw grass [illegible] Hastle. I. C. Combe. 6. Aug. Arundel Park. Sutherlandshire.
11 vitratus F.	Lab. Rosewood & Southsea
12 flavilabris F.	[illegible] Grandition wood. I. Wotton. Lime Parsonwood I. on the Beech
13 Barbarea L. mas.	[illegible] on the Barberry
14 furcatigera Pk. ♀	Lime Parsonwood on Cedar.
15 pantalis Mac.	[illegible]
16 Calcitratus L. Pg. 68.9.	6. Aug. Near Cowes; common on [illegible] Lime [illegible] common [illegible] I. Wilmington & [illegible] Langford. July Langres Bucks. Lime Leeson on London.
17 exilis Schumpfel Hiss.	
18 bilineatus L. ♂. Ahe. 78.	13. Aug. abund. on grassy slope in Michelham Arundel Park, com. Stev. Lime under rocks at Cook's Folly Clifton & Portsmouth. Stem of grass bore shell Langford
19 fusillus F. ♂.	[illegible]
minutus F. Pg. 69.13.	July under [illegible] Broom with [illegible] Hayes.
marginellus Meig. Dom 10. 333.	Lime on Salicornia the Dunstable wood Leigh.
gracilis F.	2 Aug. I of Wight. Lime Parsonwood & Leeson. Aug. Arundel Park
20 ochraceus Curt. This species does not come like the former & the strange is wrongly described before Ann. Nat. Hist. 5. 281.	1 Aug. [illegible] grass [illegible] Lime [illegible] Aug. I of Bungay common. 6 Aug. [illegible] Michelham Bloomfield. Carisbrook Castle I. of W. Sandown Chesil Bank, abund.
L32 Helodes Pk. E. B. E. 506 Prasocuris Latr.	
1 Phellandrii L. Pg 83.9. calmariensis Dom 6. 185 f.	May on Lime Parsonwood & on plants in bogs Parsonwood, Cleeve common. Lime on Phellandrium aquaticum & Caltha palustris, in the flowers & stems.
2 Beccabungæ Pk. B. E. 506. Pg 25.1 violacea F.	May on Veronica Beccabunga com. Nat. on plant Phellandrium? in 6 Lime. a brook [illegible] Cuxton 18 Ash Downham.
L33. Chrysomela L. E. B. E. 111. Phædon Meg.	
P. Hamoveriana F. Pg. 16.16	8th May on [illegible] on the banks of the Rose & Sorbus Mr. Wright 6. July & Chapman of Hyde. Isle Meadow called Bulford Bugs &c. on flowers & leaves of Caltha palustris which are perforated by them B. R. Jenns
1 marginella L. Pg. 16.15.	2 Dec. on Nat. on plants growing by side of [illegible] Lime on Lysimachia arve.
2 unicolor Mac. 185. 37.	Rochester abund. on Birch.
3 Vitellinæ L. Pg 44.16. vulgatissima L. β Betulæ Pg. 102.2.	Lime [illegible] on wood. Nat. 6. Sept. on Poplars. 20 Aug. Sandling I. Lowwood 20 Jul. not. W. Bath I. C.

Wilton S. C. mid: 1 in sand pit, Leith hill, Stev.

4 Cochlearia F. Pg. 44. 15.
atrovirescens Mar
Eruca Pg. 212. f.
gomphocarpos Lee. var.

5 Betula L.
Cochlearia Pg.
R.D.T.3.314. M.E.f. 23 egs. 2 larva.

6 tumidula K.

7 carinata Ste

8 Armoracia L. Pg. [illegible]
Salicis Pg
clavicornis K.

9 aucta F. Dan. 11. 373. 2. Pg. 6. 14.

10 Polygoni L. Dan. 3. 36.
rufiollis F.

11 Raphani F.
Hypochoeridis Mar. Dan. 11. 373. 3.

12 Pastinacae L. Dan. 6. 194. Pg. [illegible] L.

133. Melasoma Dell.
12 aenea L. mas. Pg. 35. 4.

13 cuprea Pg.

14 Lapponica L.

15. 20-punctata F. mas. 191. 50. Pg. 6. 13

16 Tremulae F. Pg. 100. 5. Lhe pl. 31. f.

17 Populi L. Deg. 5. f. 8, f. 16. Pg. 100. 5.
Larva yellow spotted with black &c.

133 Chrysomela L.
18 polita L. Eli. 5, 91, f. 3 f. 37.

19 Staphylea L. Lh. 21. 12

20 Banksii F. Dan. 6. 138. 2.

21 Lamina F. Pg. 44. 5 – Fab. E.S. 1. 311. 18.
incrassata Mar
Hobsonii Ste. var.

[illegible]

[illegible]

[illegible]

22 Marshalli Curt. Ann. N. H. 5. 282. — Epping, Mr. Doubleday
vide ms Drawing

23 lunida L. Pz. 8. 1. — Jun.? Bexley, Chiswick, Hudson.

24 sanguinolenta L. Pz. 10. 10. Dod. III. 385 — 16. June Slaughter.
Mr Sandy places & in hedges nr.
6 May Kirkford — 6. Aug. Brighton.
25 Carniles Pk. Pz. 8. 1. 325. 89 — m. May on a bank going to Ivinghoe Beacon. Pd.
sanguinolenta Rossi
marginata Kam.

26 limbata F. Pz. 10. 8 — Mr. Sandy places, Bro. d.
May flowers nr. Windsor. J. N. Spierbach

27 marginata L. Pz. 10. 11. — June Heaths, Cat. Eq. Bunbury & nr. Cat. Id.
25th under a elm, near Haverstraw Id.

28 Cesida Lea — Hudson

29 Hypenei Mac.
gemellata Pz. 10. 6. — June Hyperium perforatum Roffner. Cameron
June 28 Grangeof.
bicolor Ret. — Dalmeny July 2 Mac
in Oct nr. in coarse grass nr. Miles Lindsay.

30 geminata Pk. — May perhaps on oak nr. Nantes. C.
quinquejugis Mac — June 7 of Pz. 10. on alders P. B. Cameron.
instabilis Ch. & Pl. Pl. Sp. Fr. Pa. 2. 1. 23. — Cat. by Lindsay, Bishop & Walton.

31 varians F. Pz. 9. 4. — in Aug at Dover
Centaurei F. Pz. 10. 10. — 7 July Margate
Hypenei Dely.
vindicana Mac. & minister Mac. — Oct in common Hyp. perforatum & Melampyrum Roff.
Marshami Don. II. 286. 1.

32 Litura F. Pz. 78. 6 — 7 Aug. Lamfed.
vernalis Fro. — 7 June Darnetwood. Cam. Field & Roff.
olivacea Mac — Mac. Crom & Aug.
rufescens Mac
stygia Mac

33 pallida L. Pz. 7. 2 — Mac. Burgess & Cam.
June in the Royal Park at Brighton

34 septentrionalis Pz.?

35 rufipes Dely.
10-notata Mac. Don. II. 373. 1. — 6 June ~~[illegible]~~ in Darnetwood
June Wildmoor, Bexley

36. 10-punctata L.
vimenalis Pz. 7. 8. 3. hamorhoidalis Pz. 7. 7.
Baden Pz. 24. 25. 5-59. 2f — 6 June ~~[illegible]~~ in Hemming's poplars young shoots in Darnetwood &
June Oaks, Bexley.

37 adonidis F. C. R. R. III Pz. 10. 4. — Lincolnsh.
10 Jul. 1827 on Cirsium arvense, Mr Williams.

38 festa Pk
festivus F. Barker — Mr. Barkhouse Gorleston. Lipson Vale.

39 cerealis L. Don. II. 5. — 8. Jul. fed on leaves of Iris Pseudacorus. Pass. of Bambarus. Mr Wales, Rogerson.
in the ascend. towards from the Chapel carry side abt. 1 mile from the summit
Swanica Mountains near Rev. J. Hey.
10 June Newman took 10 in descend. Glyder for the Chapel Carr. Jul. Mag. 1. 57.
June upon Mint side of Irish Corney mills in abund. Mr. fed on leaves of Menthe
Aug. hirsuta exclusively with Bath. C. C. B. in June & Sept. fed on the flowers.
29th Swanswick in copse on Mint.

Aug. Maggots of Metapia Lambertii R. came out of its battles & were bred by M. Lambert
Ann. N. S. vol. 5 p. XXVI

40 graminis L. Don. II. 265. 1 & 2.

little rosy larvæ, from 15 to 20 came out of the body of one, & spun white silken cocoons & produced Chalcidites. Fairmaire Ann. S. E. 2 ser. 6. XXXVI

2 fulgida F. [illegible] 1.232.59. — July on Oaks & Birch [illegible] Mac.

4 violacea F.

4 nothingensis L. [illegible] — June Thorpe Arch on Tadcaster & Rotherham. Mitchelstown [illegible] Hitchin [illegible] Heathes & sandy places on Lincoln. Rare in Norf.

5 hæmoptera L.
Notabilis F.
sericeus Mac.
[illegible] — [illegible] sandy places near [illegible] on Hants
[illegible] meadows near Ely & Rutland
Hills, North Berwick [illegible] abundant
[illegible] common [illegible]
on [illegible] hills, Lincoln. in Sept. [illegible] on Downs, Sussex

432 Tomarsia Meg.
1 Penelucosa F.
Congata L.
[illegible]
[illegible]
Galloway.
[illegible] Sussex in Sept
[illegible] Heathes common in Norf.
[illegible]
in May, Hertford
[illegible]
[illegible]

2 coriaria F.
vopa Mac. 3
[illegible] — [illegible]

435. Phorosoma Lin
1 Puncus Lin
Boleti K.
June Perb
July
[illegible]

436 Leptinus Perb.
1 ater Kug.
Larva Reaumur v. 2. M. 25 f. 18. 20.
June Carrickham, Kent. [illegible]

minutus Pk

2 nigrinus Perb
Minis Pk
[illegible] — June [illegible]
Aug. [illegible]

2b fumosus Gyll [illegible] 96
[illegible]

2c sericeus Pz.
flavipes Ill.

3 fulvifrons Mac
flavipes Ill.
pumilus F. Pz. 13.2
3b Colon Humb.
[illegible] — [illegible] — [illegible]
[illegible]
June hedges
May, Wood-Dilton [illegible] Campsey.

4. 4-pustulatus Key.
4-maculata Mac
bis-bivermicata Pz.
5. bis-bipustulatus F.
4 pustulata Hub.
6 bipustulatus Humb.
bivermicata Pz. 24.11.
affinis Pk.
bimaculata Mac.
F. — Pz. 24.8 — June hedges
Mac. — Pz. 3.5. — under bark Corsey, bark once in abund.
F.

M. P. Lambert bred a Tachina

from Maggots which he found in the beetles

7 flavilabris Pk?
humeralis Pz. 25.10. – Kramm. 2. 11. 25. 1821.
frontalis F.
7b marginalis Gyl.

Large fair upon Alexander side Kramm. Do it this spring?
June hedges, sandy — Coquelicot
m. Sept. under a stone, limestone, pot by Sandgate

8 analis F. Pz. 123.
ruficollis Gl.
lineaticollis Mar.

Lime hedges upon Chalk near Folkestone
Daly at Fishers Boxenbridge

9 discoideus F.
fulvus Hell.
pubescens Pz.
Prini Mar.
atriceps Ste. var.

Lime hedges

11 limbatus H.

m. Oct. Alexander side of Avon, Avon cliff
19th May 1838 Hayes Park & Cliff at Hythe

Rhyzobius Ste. Berl.
12 litura F. — 6-litura F. — 4-vittata F.
aurora Pz. 35.5
coadunatus Mar. — 4-coadunatus Mar.

May Brockham
June hedges, Chalk & Oak, Bromley m.
Sept. Chalk Dank Chalk & Oak Cliffs Dover

37. Coccula Mey. — Coccula De. — C. B. C. 2. 222

1 pectoralis F. Pz. 78.5.
rosea Mar. 123.25.

May on grass & plants under Oak & Hawthorn & on marshes 1st Sunday in May
June at Sandwich
July
Sept.
Mar Plaistow marshes upon gale head
Sept. 8.9 not under bark of a dead tree Dorning marshes
21 May 35 on reeds Tolesbury Bay in June
25 June 30 — 30 — 30

38 Coccinella L. — C. B. C. — 208.

1. 19-punctata L.
m. coccinellinea Mulsa — Mar.

S. Lime, Pakes Bridge
Sept. on water Tolesbury Bay 35
Mr. Doüe found an immense mass of Rev. 1800 at the foot of a Poplar Mem. S. P. S. XCIV

2. 13-punctata L. Don. C. B. C. — 361.2
4-punctata Don. C. B. C.
Hedecin punctata

May Brockham Kennor — Chalk & Gravel
May hedges
m. Sept. palings on cliff Sandgate
m. Sept. on cliff near Folkestone — Kramm.

2b 7-maculata F.
notata Schmid.

3 mutabilis Ill. Don. 361.3. Pz. 78.5
mutata — 6-punctata — 4-maculata — 10-punctata F.

May hedges on Polygonum fagopyrum
m. Sept. Admiralty on cliff on climbs of the parking Sandgate

4. 18-guttata L.
m. Hieroglyphica Mulsa Mar.

March elm pollard under the bank
Lime

5. hieroglyphica L. flexuosa F.
lineolata sinuosa & sinuata Mar.

[illegible] heath on Hedges, Chalk on island, Lime 23 Oct. on Common Pz. 7. 1800.
May on [illegible] in Hawthorn & Willow, Bute.
6. Sept. Cramond. of Betula & Hypericum perforatum

6. 11-punctata L. 3-punctata & 7-punctata L.
4-maculata & 10-punctata Fab.
collaris Pk. — indecimpunctata Mar.

June Comb. grass under elmes in Island & Chalk Bank
6 July on Sallows, Pantiny
Aug. Kennedy on Sallows & Hypericum perforatum

7. conglobata F. L. Pz. 106.5.

June Cobham, Surrey & plantation Putney heath.

7b hyperborea Pk.

8 humeralis Schö.
lunata Mar. 108.50

May on Fuzzy
under Oak bark.

m. Oct. hedging Ramsgate

9. dispar Ill.
unculata Don. 7.263.2.
bipunctata — L. 39. 3. B.A. T. 3.57. pl. C. f. 15.
bipustulata — 7. 263. 7-4-punctata Don. 16.542.

May on Oaks. under bark.
m. & July, multitudes hatched on Hornbeams at Ryde

10. conglomerata L.
13-maculata L.

June meadows

11. 14-pustulata L. Ol. 5. pl. 4. f. 50. Chr. f. 130 f. 10
quatuordecimpustulata

June Windsor

12. variabilis Ill
mutabilis Fab
13-maculata Don 12.428.

O. on Sunny Heaths
Jul
m. Oct.

13. 22-punctata L. Don. 2.39. 1-4.

Mar. Ledges
June Oaks & White thorns

20-punctata F.
nigripunctata Mus.

Aug

14. 12-punctata F. L. Ol. 5. pl. 4. f. 53.
bipunctata Mus.

May
2 June on Elms
Aug. Hawks

15. 5-punctata L. Don. 16.572.1.
unipunctata

June Oaks common Oak, on Ledges Batcomb, Cliffs

Aug

16. 7-punctata L. Don. 2.39.5. Pz. 19.3.
bustulata B.A. T. 3.58. pl. C. f. 16.

Sunny on Plants
on Willows & multitudes upon & amongst the on branches in front of Hedging, cliffs Sandgate
Dang, fell upon lawns, fences & by the sides not in middle Ride on Broad beams walls, on Black & dead
Cupressus at Knole Park Kent.
Mar. & Apr. Stockton Common & Parks by shaking the Beech-trees. Prof. Phillips.
Sept. 1813. on wild Liquorice, garden Norwich. Cawston & Beyfanwell, Norf.
June Windsor. Epping Forest Epping. Black pool, Lancs. Windsor Forest, Bridgnorth
May to Aug. on ivy, sunny hedges.
Crawford

17. ocellata L. B.R. 5. 208. Chr. f. 16
lineata Fab. var.

Spr. Pines Dethick & Sunny Norf. Fir plantations, Leicester
Sept. Scamble Strathmore
June & Sept. Black pool.

18. oblonga guttata L. Don. 11.362.1.

June Forest on grass. Nottingham Mus. Jun. Yarmouth.

19. 10-guttata L
decimguttata Mus.

20. bis 7-guttata Ill.

20b. 10-guttata F.

21. bis 6-guttata Ill. Ol. 5. pl. 4. f. 51.

June Windsor

22. 14-guttata L. Don. 7.263.1.
quatuordecimguttata

June Ledges Mus. Mus. Jun.
Aug. Lilly field Mauney. 21st Willows Dumfries Dam, Bridgnorth.

23 globosa Ill.
24 punctata L. Don. 11.362.2&5.
impunctata Pk Mus.

Mar. aquatic Plants, side of brooks, Norf. In moss, Leicester.
Aug. banks.

24. impunctata L.
aptera Pk.

25 impustulata L.
16 maculata F.

Aug. Thousands of a fritter S.E.
June Crook & Norf.

25b Raphanus Nel.

Jul. Lilly field, Nearly lane nr. Middlebrow, Dorset.
52

26 lateralis Ill. Pz. 24.9
frontalis Pk.

June Devon. Side of brook Lined with Dwarf
1820 on Southwood Heath Rev. F. Bartlett.

Aussouin says disparis & bipunctata are distinct species, as the eggs from their copulation are not fertile: I repeated the experiment six times. Ann. Ent. de Fr. 1 p. 233.

12. 6 m-nigrum Fab. E. M. 4, 83.

May 7 Rec. off. Fir trees in abund. G. Wood. I. C. D. at Lock, Bennington, Sandford
m. Sept. off a Sallow. Sandwich I. C.
31 Aug. 2 off Fir trees Easton Road. Hatfield
Summer, Juniper bushes. Pudleston Park, nr Oxford, A. Matthews
22 June on Juniper. J. Black Lock off a tree. Hamickstream, Kent.
21 July 100 off Fir trees nr Ewell. H. Clark

Capture of Coccinella labilis in Britain. A specimen of this beautiful insect was taken by myself at Leominster, some years since, and placed with C. septem-punctata in the cabinet of the Entomological Club, where it has remained unnoticed, until Dr. Schaum, who is now in London, obligingly called my attention to its specific characters: I hope to publish a detailed description in the September 'Zoologist.'

439. Chilocorus Lea

1 bipustulatus L. F. Man.
fasciata Pk.

2 nevipustulatus Ill.
Gaetti Mac
bipustulata Pk. q.v. 5. 2. f. 8.
3 hæmorrhoidalis Hum.?
nefiens Ste

4 4 verrucatus F. Man
Cassidoides Dun.? Ill. 3.
4-pustulata Lin.
lunulata Lin

6. Selby's Fir trees, Hamsdown
May heathy Haute. & May being from a Papa on Broom in Combe
June common upon Broom heath & Fir plantation Lewes
& May grass w. water
[illegible] Broom Hook
[illegible] Hamsdown Lewes. & June being from a Papa on Broom in Combe: it was entirely no when first hatched.

440 Endomychus Pk. C. B. E. 570

1. coccineus L. Pyrus F. Dan. 4. 11. 3 & 6 Dun. 3.

6 May larva under bark of decayed stumps of Fir tree Kingham
21 June under bark of beech trees. Muckleham: under bark & stumps of
Elms & willows Combe w. elms: Holt forest. Rose & Shelbourne
Sept. bark Hamsdown Birch stumps & hornbeams, Ramanl forest
May. West Wickham woods: under Birch bark. Shiers. Pr.

441. Lycoperdina Lat. C. B. E. 350

1 Bovista Pz. 8. 4 — F. E. 8, 355
immaculata Lat.
Lycoperdi Lat.
2. elongata Ste

Sept in fungi balls in commerce. Li Plantat.ns at Combe & Horwood &c.
June in Lycoperdon & on Bracket fungi in Oak

Order IX. Neuroptera

725 Libellula L. Curt. B. E. 15. 712. Roesel 2 tab 6. 7. 8. Steph. 221. Platycnemis Steph. 8. M. 1. 50.
Re 6. 90

× 1. depressa L. Dalb. Pl. 24 g, 3. 81. Steph. Nov 2, 31 44 Lower May marshy places New forest. Mr. Lowe.
5 June South S.
6 Aug. Clumes Creek grounds Mr Dohrn wood. the Boar yell as at first became blue after Mr Ofs.

Sept. Sept. Brunnstein.
2. 4-maculata L. Don. 12. 407. Lyon. 7. 1.
hæmulata Steph. ex Ram. Cat. 351. 2. 2.
Ent. Mag. 3. 416
May Ponds & woods. Middlemarsh, Bailey, Oxford, Whittlesea, Walton Park, Epping
6 June New forest S.
July, Mitcham, Hill, Epping, Godalming at Mr Lemmast for. Lewis
m. Aug.

fulva Müll.
3 coerulescens F. Lam. 6 Mi. pl 46
4. fasciata Don. 12. 405.
nigra Don. Coppa. pl 46 f 2
May hedges & lanes Sprimston & Norwich. Sheffield & Bermondsey, Ste.
8 June 1828 Parley heath & Dorset
m. Jul. at Mr Coty, Newnham Kent.

Orthetrum Newm.
5. cancellata L. Don. 12. 372. Rösel 4 pl 3 f. 5 g
6 June Illing, meadows, Hillsden. Croydon canal. Peckham, Croyd. Dalb.
8 July out at Whittlesea mere, Ramsey & Fakenham Norf.
m. Aug. Hillsden S.

5 Sparshalli Dale Mag.
vesiculosa Fonscol.
Apicalis Billberg.

6. coerulescens F.
Donovani Lea in Trans. Linn. 9. 126. 4. 2. 810.
cignitata Don. 13. 449. 8.
Sympetrum Newm. E. M. 1. 50.
7 vulgata L. Don. 10. 337. 1.
Linnaeus, Sp. Lepidoptera
m. Aug. Sept. Kew Mere. Mr Hull
July at Mr's Lane
June ponds Whitlesea & Mere

8 flaveolata L. F. S. 1460 Schaf. pl 4 f 1. 2
flavida L. D. R. 2. 90. 2.
Linnaeus, Sp. Lepidoptera
Pilling in Lancs. Mr Cardale Esq 1837
m. July Whittlesea mere

9 Roeselii Curt. B. E. Roesel 2. pl. 8 f 4.
basalis Steph.
rubicunda Schaf 92. 1. sanguinea Steph
unostigma Newm. var. nigripes Schaf.
10. Scotica Don. 15. 523.
nigra F. Lind.
pallidistigma Steph. var. Lunn Nov. Pa.
Whittlesea mere, Bailey
1st June Epping forest, Dr Mitt.
Pools & bogs in the Isle of Wight & Devon
m. Jul. m. Aug. Thorne mere in Derbyshire, and S. E. Scotl.
June East Parley heath. Isle of Arran S. & D. 1841 Epping in fine June S.D.
Est abundant in Parley Colour on the Heath, 16 Nov.

726 Cordulia Leach 5, 88, C. B. E. 13. 616.
1 aenea L. Don. 12. 415 8 Fons. B. M. pl 47. 2.
Schaf. Tab 167 f 4 g, t 182 f 18.
6 May Epping woods Roy. Ponds Epping. Mustow Roy. Mr Kemp. Bailey heath Esq.
8 June New forest. 15th & fir plant. in Ambleside, at Hobcroft; Rockford, Hampstead
Brockenhurst; Bunning to Common, Kent. Woodford, Godalming, Ste
m. July common on Parley Heath. S. & D. 1823. 8 g. 16th at Lymington
8 June. 18 on the heath outside the fir plant. on the top of Kamsdown S.B.
29th 1820 E. Parley heath S. S. B. & Bramton Cumnor Co.

1b metallica F. Lind Mon. 18, 13. B. E. pl. 616.
aenea Varius Esp. tab 27, f 2 g.
Linnaeus, Sp. Lepidoptera. Ste

alpestris
Arctica Zett.
6 July on Black Loch Perthshire R. Stevens. Linnaeus S. E.

Prevana

5. divaricata Chaup.t Step. 6, 92.	Sunc Whittlesamere, Ht.
6. Faucisinubii De Sel.?	
meridionalis De Sel.	
Veronensis Chaup	taken by Mr. Harrison of Hull.
7. obsolata Chaup.	
8. angustipennis Step's Illus. 6, 95.	Sunc nr. London. Ht
pectoralis F. L. Wrubicunda L. Signata ♂ ♀ Leucorhinus Chaup. subin Pan. Lind. — Curt B. E. pl. 712. ♂	m. July abundant on Thorne Moor nr. Doncaster rare in Aug. S. E. D. nr. Glandford Brigg Lincol, Mr Harrison. 1st June 61 - one in Epping Forest, S. D.

Libellula continued. - Mr Ridley imagined that the yellow Libellulæ were the blue-ones washed by rain &c. & that they were old ones. I however believe the reverse to be the case & that the old they get they blues they become - if washed they wd be brown & not yellow nor soft with white stigma &c -

In Lib. scotica I have found every intermediate variety from black to yellow & also in Donovani &c & always late in the Autumn viz. bluer or blacker & always a black stigma -

Dates of Libellulæ &c

Sparsiflalli 1823, Horning in company with Mr Seaman Mr Scales wanted to have it just after capture

I have seen some from China & Jamaica (?)

vulgata Jev. & Portland &c June 26, 1828 & Nov. 19, 1821

Scotica, Whittlesea, Empole, Pailey &c Gamlingay Bogs Isle of Arran, Thorne Moor June 28 to Oct. 22d

Donovani, Portland, Empole, Pailey, Enbourne, Charmouth Gamlingay Bogs, Isle of Man June 7 to to Aug 31st

cancellata Croydon Canal, Oak of Honor, Peckham Horning, nr Fakenham, Whittlesea, June 24 to Aug. 16

conspurcata (Gl. Wootton only one) Pailey in pl. Sprowston nr Norwich, Newnham, Beds from May 19 to July 5th (& later?)

—— ? in Harris's Aurelian with depressa? pl. 26.

4-maculata - fine ex. at Whittlesea (Dr Leach wanted) nr Oxford, Pailey, Middlemarsh & Maldon Park from May 11 to July 28 —

depressa, Glam. Wootton, Whittlesea &c from May 6 to July 16 —

Peronnis? I.C.D. named from Mr Hanmer of Bull.

734 Ephemera vulgata, in fl. near Winchester June 17 - 1832 —
& Teignmouth - Castle Bloomer
cognata, Glan. Wootton May - 12 - 1819 &c -
& Bedford B: Standish —
I have several more unnamed & there is a very large one (or Baetis?) in British Museum
wings up —

Libellula p. 1. depressa - I got some dark vars at Whittlesea July Jan. 3)
2. 4-maculata one at Mid Lemarsh - in fl. Darley & Whittlesea var
2d. bimaculata? I cannot make out from Charpentier
3. conspurcata one at Glan. Wootton - in fl. Darley & Bedford.
4. cancellata, Whittlesea, Horning & near Louth Creaton
5. Sparshalli - I said he took this at Horning
6 coerulescens - Hampstead Park Backs - Enfield, Darley &c
7 vulgata - Whittlesea, Birch, Iff & Ramsay Meres
7b veronensis Charp. p. 48 (qu. vulgata var?) "Black, spotted with yellow, wings hyaline, a little tinged with yellow at ye base, the paraastigma black-fuscous, underside whitish.
This is a description of a female of this Dragon-fly taken by me near Verona in the year 1818 —
very near L. vulgata in stature & habit —
mouth yellow, with a large black spot in the middle. Front yellow, a black line terminating the lower part. A protuberance near where the ocelli are placed, round, elevated, yellow. The eyes are brown: the posterior part of them on each side with 4 yellow spots. — The thorax very black, hairy, with 2 oblong yellowish spots on the back. The breast black with 2 oblique stripes, broad irregular or wedge shaped & yellow. 3 yellow spots before these lines & 4 or 5 under them. — Legs black. Thighs spotted with yellow. — Abdomen cylindrical, somewhat compressed: globose at ye base, black, on the underside on each side a long sinuous line. The 1st segment wholly or for the most part yellow, the 5 following black, with a large yellow dorsal spot in each; 7th & 8th black, with 2 small lateral yellow spots. Appendages yellow. — Wings wholly clear, a little yellow at the base, especially on the posterior wings — The para-stigma large, square, above black-fuscous, under white, silky, with a little line clouded, fuscous.
Perhaps this species, of which I have seen only one specn, is the same as vulgata which greatly varies" —
This description agrees with one I had from Mr. Harrison of Hull.

Mr. Riley (v. k & T. p.

	21·96	21·096
		1·96
	9	
	0	·96
	0·011	1 1/10
	~~0·014~~	
		0·000001
Slater sent		
Lortix		
Alacita		
Ephemera		
Crabro		
Vespa sol. nica Horne		& Shorter Caunde Mr. Serrell

[illegible]

Trogosita

Larra

[illegible]

Thrips

Boccus

Libellula

Oschna

Petyra

[illegible]

727 Cynoglossum Lea Ste 6, 87.

1. officinale L.
  foliis ovato-lanceolatis Don. 2. 233 Chaup.
  inquinatum ? Lind.

2. Omphalodes (officinalis) Ste. Ill. 6. 88. pl 30 f 1.
  linifolium Ste. Eng. Bot. 1827.

Some woods. Clapham park wood, Bedford J. C. B. Crawford J. B. G.
6 June Parley heath J. C. & New forest. on Some Gorses J. C.
July Coombe w. nr Croydon, Donnington Hill, Devonshire Ste
Aug
4 Aug. Dover. J. E.
2 Aug 1818. 5 miles west of Hastings, Ste.

728 Echium L. Rocel v. 1. 1. 1. 1. 2. 2. 1 & 2. Linn. J. 8. 7. 75.

1. Echium vulgare L.
  vernalis ? Lind.
  rubrum Mill

2. mixta Lat.
  anglicum Lin
  colubrinum Van. pl 27 f 1 & 2 Ste Ste.

3. lineata L.
  all the Sicilian specimens I have seen

4. varia Ster
  violacea Lin cyanea Lat.
  grandis Don. 5. 166.
  maculatissima Lat?

5. grandis L. Don. 5. 222. L.

6. rubescens ? Lind.
  Italicum Lin.
  chrysochlamus Chaup

Some, sometimes the 3 Some Dorset w. J. C. Parley heath: about hedges & waste New forest. Hertf. Epping: New For & Devon Ste

Some
Aug May, on a dry field by a hedge at Dover J. C. & Worthen
July w. Lond. Epping, Godalming, & Ripley, Ste.

1 May for grove by Norman wood 22d of May & along planted at the base of Thick Whitlens Mere Ste.
Some Scotland.
2. Aug: ? Glanville's Wood

Some marshy places - Nb & Lond.
2. Aug in planted Pine cone hangers Ste & E
Nov

Some marshy places, Cambridge & Lond. canal: Hertf. Ripley: Ste
2. Aug: heaths & woods Tamedown & Parley: New For.

Some & 18 July, Whitlesea mere near the cut J. C
not uncommon at Gamo Newm; Saltergate ?

729 Anax Lea. Ste 6, 81.
  in Brit. Emp. 1819.

1. Imperator Lea, ♂ blue, ♀ green with yellow wings
  Junior ? Lind.

28 June 20. w. Brockenhurst. and back grounds over a field St John's wood J. B. Epping
6 July Parley heath.
2 Aug: Hoo, Hyd over fields in back grounds St John's wood; Wandsworth, Wimbledon; Sgate.

730 Cordulegaster L. Ste, 6, 86, Eshna Lat.

1. annulatus Lat.
  Boltoni Don. 12. 230.

Some fields & woods, Kent. E. Parley heath J. C. D. marshy ground, sides of rivers & roads Ambleside Shed nr. Nb. nr. Hutchinson
22 Oct: Looking at Thorpe w. Norw Coast & saw a ♂ of C. Boltoni ? apparently copulating with her, he flew away, when I stand at Norw. but Mr. E. Harris & I saw Hill several times after, at the Bank.

731. Calopteryx Lea Ste 6, 78. Rocel 2. t. 4.

1. Virgo L.
  splendens Var. B Ste. pl 30 f 2 & 3 g

2. Ladoviciana Lea. Mss.
  puella Don. 1. 36. 1.
  xanthostoma Ste. v.
  aurea Ste. v.

Some banks of rivers: on the water & water plants in marshes.
New For & Devon
Dorset w.
Coombe.

732 Lestes Lea. Ste 6, 76.

1. sponsa Lin
  autumnalis Lea. Mss.
  sponsa Lam.

2. viridis ? Lind
  sponsa Steph. Cat.
  nymphula Lea var.

Aug. marshy places, by the Thames, Marlow; New For. Ripley. Devon. Ste

6. Aug: Ditches Sandwich & and out in Westley bed Parley heath J. C. Cap.
Some New For: w. Wind. & Ripley, Ste.
July
with the preceding

affinis Fam L. Ste. 6 85. Isle, Deptford, Southgate, Herts. Godalming, Ste.

borealis? Fab.

m. June Black Forest, Loch Rannoch, Hodgkinson

? Fab.

virens Chfr.

New forest?

barbara? F.

Ireland?

Vide Revue des Odonates par de Selys & Dr. Hagen, 1850

733. Agrion P. Curt. B. E. 16. 732. Roesel 2. tab 10 & 11. Step. 6, 71.
platycnemis de Selys?
Corea Leach Mss.
platypoda P. Linn. Schaf. t. 48, f. 1 B.
albicans Leach?
lucterum Charp.

Agrion 2 nufescens Leach Ms.

3. minium Charp.
sanguineum Leach
puella Don. 1. 36. 2.
Lincolnensis Ste

4. annulare Leach Ms.
erythroneura Charp.

5. puella P. Linn. Roesel. 2. t. 11 f. 7 B. Schaf. t. 117 f. 1 g
lucifugus Harr. Exp. t. 29, f. 4 B, f. 3 g?

5b. fulchellum P. Linn.
morauiale Charp. — Gomphus Leach.

6 zonatum Leach Mss
nufescens Leach var.

6b elegans P. Linn.

6c zonatum Ste
lucia

7 aurantiacum Langph.
7½ rubellum (P. Linn not of) — Curt. B. E. pl. 732 g var

Hanns Exp. t. 23 f. 2 B, f. 1 g.
Pandor. Schaf. t. 116 f. 1 B.?

Hanns Exp. t. 23 f. 2 B, f. 1 g.
Pandor. Schaf. t. 116 f. 1 B.?

June meadows & hedges. Hants; New Forest; Devon.
July Walsham mead.; nr. Ripley Ste. ab.

June marshy places nr. London. nr. mr. Ste.

Hanns Exp. t. 23 f. 2 B, f. 1 g.
Pandor. Schaf. t. 116 f. 1 B.?

Lea Mss. abund. Holmest gravel pits on a sunny hedge, in moist meadows, Paddington
June spreading abund. in Lady Wedge nr. Kingston Castle, & June banks Holmesta abund. in wet marshy gravel pits

4. annulare Leach Ms.
erythroneura Charp.

July & Aug. Thames mouth nr. Dorchester & Sandsome Ste.
July Walthamstow Pond.
20th June in hawsside of River nr. Guildford

2. puella Charp. p. 18.

22 May Hobbert Pocket Gt. Yr. 8 g. one only day
17 June Dome Barker & found in abund. in the wet marshy gravel pits
30 June abund. sides of River nr. Guildford
12 July sunny hedge at Hound, Hampshire in some other [illegible]

5. puella L. Roesel. 2. t. 11 f. 7 B. Schaf. t. 117 f. 1 g
lucifugus Harr. Exp. t. 29, f. 4 B, f. 3 g?

6 June hedge rows Hurn nr. Lond. Ste.

5b. fulchellum P. Linn.
morauiale Charp. — Gomphus Leach.

in June Common Common nr. Gt. Ealing & Ch. along the Lond. flamstead
[illegible]

6 zonatum Leach Mss
nufescens Leach var.

June nr. Lond. Ste
Ste.

6b elegans P. Linn.

30 May about Little Prior's Farm de of St. of Portland.
26 Aug. many flying along Dorset Grantham, some found

6c zonatum Ste
lucia

June nr. Lond. Ste.

7 aurantiacum Langph.
7½ rubellum (P. Linn not of) — Curt. B. E. pl. 732 g var

8 June & abund. in boggy heath by Lewel plantat. nr. Knighton
6 Jul
2 Aug Parley heath & C.D.

732. Ephemera L. Curt. B. E. 708 Roesel 2. t. 12. Stav 224. Ste. 6. 55.
vulgata L. Wood 2. pl. 47.

6 June in immense numbers around Oxford, 2nd & 7th at Iffley from
Iffley, Sandford, Hydrow, the meadows, called Cricket by the Iffley, & the grey drake
Pendunnigs "Green drake" by Front Fishers "Brown drake" & the 2nd Brown drake & "Pale Red Mark"
ect.?

2 coquata Ste
vulgata Don. 2. 128?

B. E. pl. 708, g

6 June equally common in the Bot. Botanic garden Oxford
12 May Gt Woolton Bedford, B. Standish

2b Stigma Ste 6. 56.

Stav Exh. 1.

Potamanthus Pict.
3 lutea L.

Schaf. 175. 1. 2. 3

June nr. Lond. Ste.

2 hyalina Schaf. t. 27.

Chloridion Chaup. Hor. Ent. p. 142.
Schaf. t. 121 f. 4 & f. 5 g. Rosel v. 2. t. 11 f. 6.
analis F.
Lincolniensis Ste.

Lincs, Lincolnsh: Ste.

pulcherrimus Steph.

June Coomb. w. & Ripley. Ste.

Basilodonum Chaup. p. 20. Chloral. t. 120, f. 5 & f. 6 g

June w. Lond. n.c. Ste.

nidulans F.
interruptum Chaup.

Pumilio Chaup.
minus Lonnis?

3? June took 1 just out among st. Sweet gale at Hermgrove, Farm w. Kingston Gaulington, L. Jenyns

nubecula Fabr. Lind. (not of B. & C.) Ste. pl. 29 f. 4
rufipes Dale

June w. Brockenh. & New F. n. mne. & nd. Lond. Ste.

xanthopterum Steph.
aurantiacum Dahl.

June w. Lond. Ste.

m. May fly? in abundance in the morning, over meadows by the side of the Canal Southgate, with an undulating flight. J. C.
end May fly? but 4 & 5 in afternoon
June nursery flower Southb. 17 in plenty w. Winchester. Designation Capt. Blomer

submarginata Ste

w. Lond. Ste.

labiosa Ste.

Marsham's Cab.

dispar Ste

Daly, n. mne. & Lond. Ste.

debilis Ste

w. Lond. Ste.

rufescens Ste

a. June w. Lond. ab. Ste.
b. Jul.

rosea Ste.

June w. Hertf. n.c. Ste.

5. marginata L? July. 2 pl 17 f 14. 15. — 18 Apr. 23. Downham
Ent. Mag. 1. 239. 1 [illegible] in Corn — Sure w. Lond. v. Ste.

6 apicalis Ste — w. Lond. Ste
halterata Ste

Brachycerus Cur. — Canis. Ste. pl 6. f 60.

1 Harrisella Cur. — London on a common, Carr.
Ephemerae Nur. 6. pl. pl 6. f 3

2 Chromiformis Cur. — w. Lond & Ste, Ent.

7 minimus Cur.
[illegible] Ste. 61.

9 July Minerva, by Killarney
[illegible] the female by [illegible] Park, [illegible] in the [illegible] & died in a very short time
22 July on mentioning of the Pimpinella [illegible] on an Elder bush by pond on Brinsworth common, they had short tails, but are [illegible] than 3 very long tails.

5 brevicauda F. — Sure w. Lond. Ste.
July Cant. & Wick Cana

735 Bactis Lea — C. R. S. — 82. Phil. Mag. 1832. Ste. 6. 62.

1 vernosa F. — rare w. Lond. Ste.

2 disjuncta Cur. B. 2. 282. 8.
subfusca Ste? — w. Sure White Hanger Ambleside. Pendinge under clouded magpie one 5th June side act. of hatching Book A
rare w. Lond. Ste.

3 annulata Schaf. 55. 2. 3 Pg
cinerea Ste.

4 strigata L. — Sure w. Lond. Ste

5 mollis Cur.
longicauda Ste? — m. Sure w. Staff. Ste

6 elegans Cur.
flavescens Ste — w. London Ste.

7 costalis Cur.
obscura Ste? — m. Aug. Brian J. B.
Sure w. Staff. Ste.

8 flavescens Cur

9 semicolorata Cur — Ste pl. 29. f. 2 — b. Sure holly hers &c, side of rivulet w. Lyndhurst.
basalis Ste. — w. Lond. n. w. c. Ste

9b carnea Cur ♀ of 9 — b. Sure New forest.
July, w. Lond. Ste

9c vernal Cur — May, w. Lond. Ste.
Sure

helvipes Ste.	N. Hertf. r. Ste.
dubia Ste.	n. Loud. Ste.
7 fusca Curt. Phil. Mag. nigricanus Ste	l. June New forest I. l. n. Hertf. Ste.
minor Ste	June S. Lambeth, Ste.
vespertina L. Berk.	
1. Insecta Cent. Mos. sp. 1. 7. Stiles, 4. l. Eng	c. Jul. 2 with multitudes of macrura at Thetford
3 fenestratus Ste	June Hertf. Ste.
2 interruptus Ste	July 1833. Whittlesea mere, Ste.
6 macrura Ste. v. 6. p. 60 pl. 69 f. 1. lactuosa Burm?	25. Jul. 60 in multitudes in spiders webs on hatch, across the river Thetford but all dead. 30 June 1. m ♂ ♂ ♂ ♂ Guildford ♂.
3. Lateralis Curt. theophasis	June n. Loud. Ste.
caudata Ste.	
5. stramineus	

10 horaria L. Stm. 226 July at Duff. Ste

11 culiciformis L. Stm. 228 June at Duff. Ste.
July

11b. autumnalis Curt. on the bit. in myriads on the bridge over the Avon by Sir H. Tawe's at Haven Court
Sept, at Lond. Ste

12 fuscata L. Schaf. 52. 1821 28 Jul. Castle Comel & Holland
June at Lond. Ste

12b albipennis L. on Apr. in my bed room Cambridge

Gloë Burm.
13 bivittata Geof. 2 pl. 3 June nearly fledge
20 Aug. pairing by Spanish
2 May at Chelsea water meadows by Canal, Pennington coll. at Duff. Ste

14 nigra L. Stm. 225.

736 Cloëon Leach Ste. 6, 67. Ms metamorphosis in Ent. Mag. 2. 322

1. dipterum L. Deg. 2. pl. 13 f. 5. Ste pl. 29 f. 3. 2 April. 2 May at Lord's Ste
mamoratum Curt June nearly fledge. 8, Aug. found off an Ent. in Sidewood Colchester
dorsalis Ste. in Aug. we changed skin in my sleep room & lived 2 or 3 days. 20 Oct. pairing by Spanish
pallidum Leach 2 Oct. Tooting Common
2 Oct. Bridam Langer
2. virgo Lat. June at Lord. Ste

4 unicolore Curt Holland
hyalinatum Ste

5 venale Curt 6 May
equatum Ste June at Lord. Ste

6 dimidiatum Curt June Essex
consobrinum Ste June at Lord, Sept. Dover. Ste.

7 ochraceum Ste June at Duff. Ste.

8 obscurum Ste June at Duff. Ste

9 hyalinatum Ste June at Lord at me. Ste
6 Jul. Dover & Devon Ste

10 dorsale Ste June at Duff. at me. Ste. & at Lord.
albipenne Ste

cingulata Ste

Inn w. Hertf. Ste.

737 Panorpa L. Cont. B. E. 696. Ste 6, 51.

1 communis L. Sm. i. 201. q. B. E. fol. ib. Leach in Zool. Misc. 2 ab. 90 f. 1. — from Mey. 2, p. 1 of woods & meadows in Lond. Ste & Sum. Ble. in Parent. Knaresboro & Castle Eden Dene; Gl. Worc. & may.

2b apicalis Ste Illus. 6, 52. 3. B. E. ib. — Sum Parentwood. ?

2c borealis Leach MS Ste. — 55. b. — Brit. Mus. at Edinburgh.

2 affinis Lea Zool. Mus. 2. pl. 9. f. 1. 2. — communis Sm. i. 201. 2. B. E. ib. — Sum Hedges of Kent and Sus. & Cambridge. Ste & may.

3 germanica L. — B. E. fol. 696. Lea. — Sum & Cambridge. July. Gl. & may. — Sum Blackwater, New For; Parnt wood.

738 Boreus Lat. — B. E. 3. 118. — 1650

hyemalis L. — Wm. 2. E. ed. 1. 3. — hebescens Pz. — Sum in a Plantation near Ryde, around at Southgate. P. Walker Nov & Dec: in Mos Gorsway Kent. Dr Leach & Dec. Pan a staff of Fishes Common countrie on a elm wall in Berwickshr. & Nov. nr Pokinsh. Mr P. Robinson.

739 Chrysopa Lea — Pzly: Ent. Tr. 577. — B. E. Ste 6. 101. — 520. — Reaum: v. 3.

vulgaris Ste 6. 104. — Ut. 304 2. — B. E. fol. 520. — B. E. 1. fol. 9. f. — Sum Hedges & woods; Parnt. New forest. July & Aug. gardens hedges. Birch & Broom. Dover Sly in the evening. Aug. — Lady nr Windsor & Devon Ste.

2 capitata Pz. — ib. — B. E. fol. 9. f. 2. — Sum Hedges & woods; Norf. Ryfield; New For; Devon Ste. July. Aug.

3 reticulata Lea. — Schaf. 55 f. 748. — B. E. fol. 10. f. 3. — Sum always in woods, Broom, Parent & New Forest, Norf. Ryfley Ste. — Dr Q. 2. 708. fol. 22. 1. 2. — In May in Hedges & Gardens.

chrysops L.

perla Pz. 3. 87. 13 — vandiekii Pz.

3b viridis Dale (shagreenata) — Cont. Ut. 520. B. E. 1. fol. 9. f. 7. — Sum Sand hills Kent & Essex & Appleby on S. E. D. Marsam & Sam. Paget. — immaculata Ste Cow. — of S. July Dover. Devon, Barks, Wales.

3c rhombicordalis Dale — Sum. Summah in great abundance hedges & night moth Colchester.

v. alba L. — Pz. 3. 87. 12. — B. E. 1. f. 9. f. 1. — Sum Hedges & woods; Parnt & New For. Ste. July. Aug.

Lea. fol. 33 f. 2. — Dale Morgan. — Flavus Scop.

5 affinis Lea? Ste. — Rossi 121, f. 5? — B. E. 1. fol. 9. f. 2. — v. Sum Broom & Birch wood; Dover, Devon.

6 Perla L. — Don. 3. 77. E. Flav 230. — Pz. 3. 87. 15? — R. & T. 363. pl. C. f. 21. eggs. Lam & pupa. — B. E. 1. fol. 9. f. 3. — July & Aug. gardens hedges. Birch & Broom. Dover. fly in the evening. — com. in Orchards & gardens every where. — Reaum. fol. 51.

740 Coniopteryx Lat. — Ste. i. 99. — Lam. Tab. on Aphides

psocella Ste. — Sum. f. 4.

chrysops Don. i. 188. — in June running on rocks which of Pl. Gen. ovary hatch, 20 mt of hay & alders overhanging a small stream nr Lyndhurst. 2 Mr. at Leamington & nr Malvern & Warwick.

3a. maculata Ste — Tr. E.S. pl. 10 f. 4. Inc. Darent.

3b ventralis Curt. B. E. f. 520. humistifosus Ste. cancellata Wesm. — Tr. E.S. pl. 10 f. 6. c. Inc. Darent. v. ab. Nat. Ripley, Dover, Ste.

3d corvea Ste. — Tr. E.S. pl. 9 f. 6. Inc. v. London & Scott.

4b angustibrunnis Ste. angusta Ste Cat. — Tr. E.S. pl. 9 f. 3. m. Sept. not uncom. at Sandgate. C.P. Inc. v. London Ste.

7. subfalcata Ste — Tr. E.S. pl. 9 f. 5. Inc. London. Kent. v.c. Ste.

741 Hemerobius L. E.B. E. 5, 202. Sh 6, 105.

Drepanopteryx Leach Sh 6, 100

1 Phalaenoides L. Reaum 3. t 32 f. 8. Schaef 3, f 11, 12. Pg. 87. 15. Sh f. 33 f

Some Lanark Mr R. Walker, flying in the evening on the banks of the Clyde 3rd Sept. 1. Hatching bred out of an egg laid on Cartland Craigs, Lanark Bonniss, Windsor, Miss; Rochester, Leake.

Hemerobius

2 hirtus L. B.E. 1501; von L. 113:
decussatus Leach
fimbriatus Curt. B.E.

Some Mr Preston. Salisbury, hedges & woods
nr Reg. Crown, Cambridge
8 May, Nutland Cope
Some Hebden on the Dove & Hazel.

3 fuscus Leach

Apl. New Forest, Mr W, M.D.
6 June Hedges near of Sherborne: Lyme Linnet. S.C.

4 nervosus F. E.E. 2. 85. Schaef. 21 e f. 5.

Some hedges & woods, on the leaves of Hazel. gardens & Plantations nr Lond. Sh.
nr Halifax Mr Reader

5 Annulatus L.

Some nr Dawlish nr Ex. Sh.

6 intricatus F. 2. 84. 12. Schaef. 21 f 8.

Some Cambridge
aug
Valley, nr Lond: New Eng. Brighton, Dover, Sh, nr Lond.

7 affinis Leach Sh

Some hedges & woods. Gl. Worthen. S.E.D.
Cambridge. Comb Dunent, Sidmouth Exeter
nr Lond Barnet. nr Bordeaux.

8 nervosus Leach Sh
dorsalis Sh e

Some Cambridge, Gl. Worthen, Sandwich. Lock Hammond, Pattock.
Valley nr Lond nr Sh
aug

9 fragilis L.

Some at Lond, nr. c. Sh.

10 punctatus Curt. 3. 400

Some Cambridge Dr. W. Dover & Berwick Sh.
aug

11 obscurus Leach
E.A. 3. 64.

Some hedges & woods Gl. Worthen. S.E.D.
Aug. nr. Bath & of Wight.

12 irroratus Leach

Some fading on Thistles, 1. Sept.
Some fences Gl. Worthen. S.E.D. 25th in fences Bournemouth, common
Stubs not of Fences Ripon nr. C. Barnan. Pt. 1st

13 Pini Leach

Some hedges woods: nr Perth S.E. Dalkeith & Dunkeld.
aug
16 July Bodman pole var. Pine, woods at Hartf. Ripley, Sh.

14 fasciatus F. E.E. Fuessly 202.

Some nr Ripley, 1. Sh

15 variegatus F. E.E. 2. 85. 18

Some Hedges & woods, on grass & other underside
Subpedung: gl. Worthen & Dover, Willow in meadow Sandwich.
Comb Darnt & Bath nr Sh

16 crispus Schaef. 122, f 280

13 July 56 felled spot in Cannock Holts S.C.
Some nr Lond. Sh.

2d commune Ste Ill. c. 106. fl. 30 f. 3.	July Ripley, Sd Lambette. Ste. Dinburg. 26 June q. mid. diff. v. Rosemb chine, S. 6. 50.
angulatus Ste same as D. crispus No 16	June v. Lond. Scott's. Ste.
nebulosus Ste.	v. Lond & Scott's abt. Ste.
subnebulosus Ste.	June v. Lond, n. v. unc. Ste
pseudegenus Ste	New For. Ste. 1.
marginatus Ste	July, Newcastle & Edinbro, Wales
apicalis Ste	June Coomb, Darent v. Ste.
subfasciatus Ste	June v. Lond. Ste.
Stigma Ste	June v. Ripley Ste
Stofii Dale. Fr. crispus No. 16	15 Apl. in the house at Lyndhurst. 27. June the Cannidle Holly v. Bishop's Cannidle S. 6. 8.
pallidus Ste	July Hatf. Ste
Marshami Ste	Marham's Cab
Dispherus Burn.: Hand. Ent. 3, 973 Cat. Nem. B. M. 3, 298	26 June 13, Langport S. 6. 8. Off a hazel, outside Breach-w, Aller, Lull, v. Langport.

7 fimbriatus Curt. B. E. 5. 202.		1805 1 July Dr Dunzelme Lock on grass S.E.D.
Lycoperdon 18 fuscatus F.	Sh. Sk & Ill. fol. 30 f. 2	6 June trunks of Ash Oxford Meadows
~~Bovista~~		July Aug. on Molly Gl. Gretton; Brightwell, Beds. S.E.D.
Lycoperdon B.E.S.	Bruchiolum Sowerby Hoffm.	10th Aug. fields Sp. Longmans
		Lawn in Kew Gardens Sowerby Sect. 30. S.E.
19 nuticulatus F.		Volume Mullets Copse
		3 July on a Copse near Guildford Surr. S.E.
7 Lycoperdon Curt. B. E.	528. Sh & Ill.	Lycoperdon Bovista Curt. Prog. XXVII - Balaucunga Hoffm. The Description was never pub.
1 vulgaris Curt. B. E. fol. 528		on Sand lying along a white-thorn hedge, Higgiscroft & Lightburn near Dublin Sh.
Dublin Sh		1st hedges near Kilmainham Hof. and Sand ab. in Dale's Garden. In fir groves Belfast. 13th Comb. w.
		1 Aug. Comb. in Mr Lowe's
		6 Aug. to Oct. in groves the Lawn and found
2 gemmatus Curt. B. E. fol. 528 Sh.		on Sept. Frambro. Hof. S.E. on Aug. Gl Wort. S.E.
		falling Beech wood Mr Gl Brightwell.
Pinsola Sh. Cat.		in groves Belfast.
		June Kilsby, Sh.
42 Poacus Lat. Sh & Ill. Curt. B. E. 628.		
1 pulverulentus Lat.	Cog. 12 f. 12.	2 Aug. fields near Longmans
		June New forest.
		on Land in c. c. Sh.
2 fuliginosus F.		June trunks of trees, on Land, com. Sh.
3 fasciatus Pg. 96. 20. Fat.		1 Aug. Comb. trunks of trees,
		2 July falling Wimbledon
		8th June Common near Gl Wort.
4 variegatus Lat.	Cog. f. 13.	5 Aug. Birch trees Lock Fado Common. Dover on Aug. Wickham
		28 July Battle Comm.
		on Sept. Frambro
5. lineatus Lat.	Cog. f. 8.	25 July Comb. w. Mr Sheffield
Bury Room.		on Aug. off Oaks amongst Box trees, Box hill. Gl. Wort.
		Trunks trees on Land c. c. Sh.
6 nebulosus Lat.	Sh.	June on Land & Suff.
		July
7 cinctus Lat.	Sh.	July on Land in com. Sh.
8 bifasciatus Lat.	Cog. f. 6.	on July trunk of a Sallow, Regents Park. 25th Sheffield. 11th going to Woolmer Pond
		on June & July Hampstead
		Aug. 3 of Bute.
9 contaminatus K.		on Land & Suff. Sh.
Excilius Curt		
10 longicornis Pg. 96. 19. Fat.		June on Land. ab. & Suff. Sh.
11 nummus K.		July on Land & Suff. Sh.
12 cibatus K.		July Kilsby, Suff. Dover ab.
13 venosus Sh.		June on Land. Kilsby Suff. Sh.
		July

elegans Ste.

Beckworthii Lea
fuscadia — 16 Aug: willows in meadow n. Sandwich
21 July Thickley

20 conspicuus Ste. — June n. Lond. n. Ste.

21 terminalis Curt. — 9 Jul 35 Oaks bet. Killarney & Tuck.

6th July 47 in Capt Chawner's Garden. Hamilsham.
1a nivea Hom.

3 Alcyrodiformis Ste. — July n. Ripley Ste
gigantea Ste Cat.

2 hepatinus Curt

742. 3 Cæsius Curt B. & 648.

9c fenestratus B. & fol. 648. — 15 Oct. Broad Alders on t.
11 July side of wood Woolmer. 8.52. Tunb: wells
e. June Gt. Wood.

9c strigosus B. & fol 648 — 7 Oct. Parley. 8th Podimore, on Alders Cartland Craigs.
m Aug. Micklehan
Sept.

9c irroratus B. & ib. — m. Sept. Tambaro common

9c vitripennis B. & ib. — 2 June Ealing Micklehan 16th Hampstead. 17th Homebushes Holmd
29th . Clifton n. Bristol.

4b atomarius Ste — June n. Lond. Ste

4c maculatus Ste — June n. Lond. Ste.

4d subfasciatus Ste
obsoletus Ste Cat. — June n. Lond. Ste

9c megastigmus Ste — June n. Lond. Ste.

9c subnebulosus Ste. — June, Hertf. Ste.

595 s Tetracnemus Westw. in London's Mag. N. H. No 5 (New series) p. 258 –
1 diversicornis Westw. Lab. oaks Coombe Wood July 3, 1835 – 1-24th of inch long.
long. corp. 1/2 line – exp. al. 1 line.

See Libellula Dubia Mon. Lib. p. 16 of Van der Linden = Charpentier Hor. Ent. 18 L. pectoralis:
V. L. thinks but not certain it is rubicunda Linne
Linne's description too short.

Lit. rubicunda found both sides of water on Hamo Moor nr Dorchester about the m. July, scarce then m. Aug. J. C. D.
about Mr Beckett took it. Taken also by Mr Harrison of Hull nr Glandford Briggs Lincolnshire in company with Grantham Esq.

Paper on Trochilidæ ~~hem bere of some in London's Mag.~~
New series p. 19. (1861) by Mr Bree (C. Dixey Lucretia)
Stephens once said the same name ought not occur twice in same Fam.
1003, 1012, 1035 & 1074 (wood) obsoletana for instance !!! —
I have not the Limnolia pericularta with clouded wings.

on's May
(Lifey Incurshin)

rice in our Fam.
tence !!! —
Loaded wing.

13 schroeteri K. — July, Ripley & Leff Ste

14 flavidus K. — o: Lond & Leff Ste

15 flavicans L. — July o: Lond Dorf: Leff Ste

16 bifunctatus L. — Pz. 94. 21. Cog: f. 8. — July o: Lond & Leff Ste

17. 6-punctatus L. F. S. 1511. Fab 231. Cog: f. 10, 11. — 18. July Hampstead Leff.

18 striatulus F. — July o: Lond. Ste

19. 4-maculatus Lat. — Cog. f. 6 & 7. — July o: Lond o: nine Ste. 1852. off Birch & swamp by Cofor, Tinkwells

20. immaculatus L. — o: Ste. the Grove, Fulham
June o: Lond. Ripley, Ste

21. 4-punctatus Pz. 94. 22. Fab: Cog: f. 9. — [illegible]
July Kenwood & Hoes o: Lond Dorf & Leff. Ste [illegible]

22. thoracicus K.
insecticeps Lat? — Cog. f. 2.
— Dorf & Ste

23. nigricans K. — o: Lond & Fulham

24 abdominalis F. S. E. 310. 12. Fab 231.
fuscescens K.
pedicularius Lat. — Cog. f. 1.
— Fab. 231 [illegible]
July o: Lond. Ste

725 Atropos Lea. Pz. 6. 128. — Termes Linn: — Psocus Fab. Lat. — Troctes Burm:
1. pulsatorius L. — Cam Mag. 4. tab 2. p. 276 — [illegible] first appearing in my boxes. July houses. the o dense is said to beat.
Lignarius Deg. v. 7. — pl. 2. f. 2. g. 3. 116 — [illegible] in tops.
[illegible] Left o: In neglected boxes of Sec: Dried plants, and old Books &c. Ste.
2. fatidicus L — July houses, & see 7. in [illegible] boxes, & old honeycomb Ste.

Mothella
1 studiosa Mott. Tr. E. Ent. 4. 72. — Inhabits houses; on Books.

5. Scolopacinus Ste		July w. Lond. Ste.
5. hyalinus Ste		June w. Lond.
8. morio Lat.	Coq. f. 5.	July trunks of Lime-trees, Hatfield
19. flaviceps Ste		June, Ripley Ste.
19. subocellatus Ste		June, Hertf. Ripley, Ste. July,
19. papillatus Curt		11 July by Brockham Forest 20 Aug. Camm.
21. hieroglyphicus Curt		m. Mugon hating Mickleham m Oct. abundt. Hampstead & m Oaks. Pirbright 28 May Muller's Copse
nifescens Ste		June, Hertf. Ste
flavescens Ste		July, Ripley & Hertf. Ste
costalis Ste		June w. Lond Ste
nervosus Ste		June w. Lond. Ste
maculipennis Ste		July w. Lond. Ste
nigricornis Ste		June, Hertf. Ste
dubius Ste		June w. Lond Ste
subpunctatus Ste		June w. Lond. Ste.

744 Raphidia L. C. B. E. 1, 37. St. 6, 129.

1. Ophiopsis L. St. (131) 37. Sm. 9, 315. Sm. 7, 6. m May & June, hedges & streams & of White Rooms New Forest. J. C.
notata F. Eng. 1. 37, pl. 3 f. 1 var.
megacephala Lea, var. Lime & other bark. Sp. var. on small larch, Amersham & Chiswick: Rudson. In the bark
2. affinis Lea. K. 7 + 1 p. pl. 3, f. 6 o? June hedges w. streams, w. London

3 maculicollis Lea St. June hedges w. streams: Dartmoor, Coombe & Devon

4 Londinensis Lea St. June hedges w. streams: Barbican & Copenhagen Fields w. Rochford, St. C. Saty several. in fields, Hampstead J. C.

745 Sialis Lat. St. 6. 133. Raceni 2. 2, 3. Larvae aquatic
1 lutarius L. St. Schf. pl. 3 f. 1. 3. 2. 4. 261. 2. 14 f. 10 & 11 eggs & larva June banks of Rivers, called Stick-insects, Hayes, Kent: Tomlinson; at Wickham
nigra Lat. even, whole
25 Apr. eggs laid, 2 on 3 Oct. in a bottle on water.
3 May Larva hatched. W. J. Evans.

746. Perla Geo. C. B. E. 2, 190. St. 6, 135. Metamorphosis in Perlas, see Pictet Ann. Sci. Nat. v. 22 f. 1-6 and 2 figures.
Dictyopteryx Pict.
1. grandis Curt. Rivulet Cannock Brit. Mus. w. Lydenham

2. marginata Pg. pl. 3 f. 2 Fal. June underside among the Globe flower & Osmunda regalis J. C.
flavipes Lat. Geof. Yellow europaeus

3. cephalotes Curt. B. E. 190. June Amersham & note 1. 2.
June Leith of Fall (?) Keswick J. C.

4 bicaudata L. S. S. 1485. Fab. Pg. pl. 4.
microcephala Pict.
nervosa St. Cat. P.
Isogenus Nem. Curt. Mag. 1. 115. St. 6. 136. Nervulus Pon.
5 bipunctata Curt. Schf. 37, 2 & 5 Sept. 1 & 2 June banks of Rivers, Worcester, Gloucester, Nottingham, Hereford, the favorite food of trout, Grayling.
nubecula Nem. C. B. Mp. f. 31 f. 2 var.
Chloroperla Nem. 8. M. 3, 500. St. 6, 137.
6 fuscipennis Curt. B. E. July Scotland J. C.
June St. Cat. St.

7. media Curt. B. E. In June in abund. on Water-Meadows near the Springs, Slaughter, Darent w.
May Yellow side of brook by Round Common

8 viridis F. E. S. 2. 74. 11. Reaum. 5. 4 13, f. 12. 14. Larva f. 8. 10.
lutea Lat. Geof. 2. 232, 4. June Mers near a Stream Lyndhurst.
flava Pons w. Lond. Westmorl. Cannock Leominster, St.

9 minor Curt. June in copse near a River Ambleside.
pallida St.

Leptopteryx Pict.
apicalis Nem. 8. M. 3. 501 Alders, sides of Trout streams, Ansford.
pallida St.

bifrons Nem. 8. M. 5. 501 New Lanark J. C.

grammatica Nem.

G.R.M.

confines Ste.	Inne: ut Lond. Ste.
venosa Ste.	Inne: ut Lond.
rufescens Ste	Inne: ut Lond.
lateralis Ste. 6. 138 Cutea Ste. Cat.	Inne: Washam med: ut Ripley; New For: ut Leominste. Ste

747 Remora Lat. Pictet. Pr. 6, 120. Sonibelis Val. Canoptery x Pet.

1. filicornis geniculata Step. — 6. Sept. at Mein nr Dunfad. on Oaks Cantlinie Craigs
8. & 9. in marshes Norm Court & posts in Ridges Parley. Fairbore.

2 nebulosa L. Lat. fuliginosa Ste. — 5 May Wrentham, m: Dowet; Kolm: Iris Linn, Comb nr Damp places 16
6 June New Forest. Light
8. & 9. Damp, Copse, Sunb nettles &c.

3 similis Cuv. — m. Sol. Strasbourg

4 longipennis Cuv. — June Bugleton

5 fusca Cuv. — Oct. upon posts &c near Spring Norm Court

6 brevipennis Cuv.

7 varicgata Ste. 6, 144 pl. 31 f 3. nebulosa Linn? — 12 June upon a rock nr Pd Stress in Ambleside June nr Hadf. Ste.

Leuctra. Ste. 6, 144

8 geniculata Ste pl. 31 f 4 — June Lond. nr New Ba Hadf. Ste

abdominalis Ste — June nr Tad Hadf. Ste July

2 pallida Ste	June 2d Lond. Ste.
3 cuneata Ste. affinis Ste	June 2d Lond. n. unc. Scott. Ste.
pallipes Ste	16 May, Mullen's Copse. 24th. a pair off Birch by Holwest June Coom. n. Ste.
pusilla Ste	June n. Lond. Ste.
annulata Ste	June marshy districts n. Hertf; n. unc. Ste.
fusciventris Ste. 6. 125.	16 May Mullen's Copse & Broad Alders abt. n. & unc. places June n. Hertf. n. c. Ste.
tibicornis Ste	6. June Marshes n. Hertf. Ste.
intacta Rew. F. M. 5. 201.	New Lanark, F. M.
pallicornis Ste	June n. Hertf.
nitida Ste	6 Jul. n. Hertf. & Ripley, n. unc. Ste June
Cambrica Ste.	Oct. n. Swansea
sulcicollis Ste	June n. Hertf. & Ripley, Ste, n. unc. July
famosa Ste	June, Jul. Ripley, com. Ste. Scott.

MR. CURTIS'S COLLECTIONS of FOREIGN COLEOPTERA, &c.—This choice collection, which was commenced thirty years since, is particularly rich in Species from New Holland, Java, the Philippine Islands, the Cape, Senegal, Gambier, South America, including Cayenne, Chili, Lima, Columbia, also Mexico, North America and the South of Europe. There are also many fine Species from Madagascar, Mauritius, Port Natal, Valparaiso, West Indies, New Grenada, Guatemala, Assam, East Indies, Ceylon, Algiers, Thibet, New Guinea, Siberia, &c.

The specimens are in the most perfect condition, are arranged, and have been named by Dejean and other eminent Entomologists.

The following is the list of the Families for sale:—

		Species.	Specimens.	Price. £	s.	d.
Cicindelidæ	about	160	330	12	0	0
Carabidæ	,,	979	1920	72	0	0
Dyticidæ	,,	120	228	4	5	6
Buprestidæ	,,	308	743	28	0	0
Elateridæ	,,	313	458	8	10	0
Malacodermes	,,	278	581	7	10	0
Tillidæ	,,	125	216	4	0	0
Silphidæ	,,	65	142	1	7	0
Clavicornes	,,	265	557	5	0	0
Helophoridæ and Hydrophilidæ	,,	80	107	0	13	6
Lamellicornes	,,	1117	2530	95	0	0
Lucanidæ	,,	42	100	7	10	0
Passalus	,,	32	79	1	10	0
Heteromera	,,	985	1994	25	0	0
Xylophagi-Paussi	,,	180	290	5	10	0
Longicornes	,,	754	1386	52	0	0
Mantidæ and Phasmidæ	,,	43	82	8	0	0
Forficulidæ and Blattidæ	,,	44	89	1	0	0
Locustidæ and Gryllidæ	,,	105	216	5	10	0
Hemiptera	,,	639	1175	10	0	0
Aptera and Myriopoda	,,	68	102	2	0	0

Apply to Mr. CURTIS, 18, Belitha Villas, Barnsbury Park.

XXIII.—*Descriptions of five new species of Coleoptera.* By the Rev. J. F. Dawson, LL.B.

Section GEODEPHAGA.

Fam. Harpalidæ, *MacLeay.*

Genus *Amara*, Bon.

1. *Amara Vectensis.* Oblonga convexa ænea nitida, interdum cæruleo-nigra: elytris punctato-striatis: antennarum articulis tribus primis rufo-testaceis: tibiis tarsisque rufo-ferrugineis. Long. $4\frac{1}{2}$ lin.

Oblong convex, body beneath shining black: head, thorax and elytra brassy brown, sometimes greenish brass, rarely blue-black, not always concolorous: thorax with an oblong deep impression on each side at the base, midway between the hinder angles and the dorsal furrow: elytra regularly and evenly striate, the striæ deepening towards the apex and finely punctured for about two-thirds their length, the punctures gradually diminishing behind the middle and totally ceasing when the striæ begin to deepen: within the outer margin an irregular line of deep impressions most numerous behind the middle: thighs pitchy black: tibiæ and tarsi rusty red or pitchy testaceous; anterior tibiæ with the spine at the apex tricuspid, the middle mucro being longest and stoutest and slightly curved, the inner one smallest: first, second, third and basal half of the fourth joints of the antennæ red, the rest fuscous black.

Originally taken at Ryde, Isle of Wight, and referred incorrectly to *tricuspidata*, Dej. We are indebted to Dr. Schaum for correcting this error; and his opinion has since been confirmed by other continental entomologists, who have pronounced it to be an undescribed species. I have taken it annually for some years past in the north side of the Isle of Wight, but always sparingly, except on one occasion, when in company with my friend Mr. Wollaston (April 1846), it occurred plentifully among refuse left by a flood at Ryde. I have not seen it since. As the species requires a name, I have given it one commemorative of the locality in which it is (I believe *exclusively*) found.

Genus *Trechus*, Clairville.

2. *Trechus incilis.* Subtus niger, abdominis apice testaceo, supra nigro-piceus, thorace cordato, convexo, postice angustato, utrinque foveolato, angulis posticis ~~incilis~~, acutis: elytris oblongo-ovatis, *striis quatuor dorsalibus abbreviatis in singulo impressis*: antennarum 2, 3 et 4 articulis nigris, reliquis, palpis pedibusque testaceis. Long. $2\frac{1}{4}$ lin.

Oblong ovate, dusky pitchy: head with two oblong frontal impressions: thorax heart-shaped, disc convex, broad in front,

with the sides considerably narrowed towards the hinder angles, which are acute, having a large fovea on each side nearly covering the base: elytra rather convex, *the disc of each with three rugged abbreviated striæ, and a fourth interrupted and somewhat obsolete*; sides and apex smooth, with four or five impressions within the margin, near the humeral angles: body beneath shining black, with the tip of the abdomen broadly testaceous: antennæ (except the second, third and fourth joints which are black), palpi and legs red.

A pair, taken by myself in July 1847 at Whittlesea Mere, are the only specimens known.

Genus *Blemus*, Zeigler.

3. *Blemus lapidosus*. Rufo-testaceus, nitidus, capite interdum piceo, oculis nigris: elytris punctato-striatis, punctisque duobus impressis, palpis pedibusque pallidis. Long. $2\frac{3}{4}$ lin.

Above reddish testaceous, paler beneath: head with a deep longitudinal stria on each side: thorax somewhat heart-shaped, having a deep fovea on each side at the base: elytra depressed, deeply striate, the striæ finely punctate, third interstice with two deeper impressions: legs and palpi pale.

Taken on the south coast of England some years ago, and erroneously referred to *pallidus*, Sturm. It appears to have been a scarce species, as I never saw a specimen in any collection till I had the good fortune to rediscover it about five years ago on the south coast of the Isle of Wight. Dr. Schaum, in his remarks on the British *Carabidæ* published in the Stettin Transactions*, has stated that it "answers perfectly to the description of *Trechus fulvus*, Dej.;" but in a letter which I received from him shortly after his last visit to England, he observes, in reference to specimens which I had given him, "It is not *Trechus fulvus*, Dej., as I supposed: the latter, of which I have lately seen a typical specimen, is allied, but sufficiently distinct: *Trechus pallidus*, Sturm., being equally distinct: your insect ought to receive a new name." I have assigned it one, indicative of its habitat, being found at some depth among the fine shingle on the sea-beach. It is taken also in similar situations in the north of England by Messrs. Hardy and Bold, but is very local.

I have since seen specimens in Mr Curtis's Cabinet, which he captured on similar situations in I. of W.

Fam. Bembidiidæ, *Stephens*.

Genus *Peryphus*, Megerle.

4. *Peryphus neglectus*. Supra viridi-æneus, thorace cordato angustato, utrinque foveolato, angulis posticis acutis: elytris oblongis, paululum depressis, punctato-striatis rufo-piceis, fasciis duabus fere obsoletis rufo-testaceis: antennarum 1, 2, 3 et 4 articulis, pedibusque testaceis. Long. $2\frac{1}{2}$ lin.

[* See also 'Annals,' p. 37, of the present volume.—Ed.]

Beneath black: head and thorax dark metallic green, shining, the former with a broad frontal impression on each side behind the eyes, back of the head smooth and glabrous: mandibles pitchy: palpi testaceous with the apex pitchy: first, second, third and basal half of the fourth joints of the antennæ red, the rest fuscous black, all the joints (except the second) rather long: thorax convex, heart-shaped, narrow, not much more than half the width of the elytra at the base, which has a deep fovea on each side, hinder angles acute: elytra oblong, rather wide and depressed, the sides somewhat parallel, with the tip gently rounded, coarsely punctate-striate, with two deeper impressions on the third stria; the apex smooth, pitchy red, with two reddish testaceous fasciæ more or less obscure and obsolete, sometimes wholly wanting: legs testaceous red.

Not unfrequent in the north of England on the banks of the Tyne and Derwent, and mentioned in the 'Catalogue of the Insects of Northumberland and Durham' as a variety of *saxatilis* by Mr. T. J. Bold, to whom I am indebted for my series. It is however sufficiently distinct from that species; for independently of the colouring the structure is different, and while the elytra are considerably broader and perhaps less depressed, and the punctured striæ *not* carried to the apex, as they are in *saxatilis*, at the same time the thorax is smaller, narrower in front and more convex. Dr. Schaum, whose attention I called to the species, after a careful examination and comparison of the specimens which I had given him with their continental allies, both at Paris and Brussels, informed me that it is unknown.

Genus *Lopha*, Megerle.

5. *Lopha Clarkii.* Supra nigro-picea, thorace subcordato, truncato, utrinque foveolato: elytris oblongo-ovatis, punctato-striatis, punctis sat profundis: antennarum basi, pedibusque testaceis. Long. $1\frac{3}{4}$ lin.

Beneath shining black, above pitchy black, head with two slightly flexuous striæ, between which is an elevated ridge, on each side behind the eyes somewhat approximating in front: mandibles pitchy red, palpi pitchy black, basal joint of the antennæ wholly and base of some of the following ones pale red: thorax oblong heart-shaped, truncate before and behind, disc convex, transversely wrinkled, with the sides dilated and rounded before the middle, then narrowed, but leaving the base sufficiently broad, which has a large rugged fovea on each side, hinder angles acute: elytra oblong-ovate, wide, convex, deeply punctate-striate, the punctured striæ abbreviated before the apex, which with the sides is smooth, and has an obsolete blood-red spot near the outer margins: legs entirely red. In its general struc-

ture and in the deep punctures on the elytra it is allied to *Mannerheimii,* but is a larger and more robust insect; the thorax especially is much larger and broader at its basis.

I captured three specimens near Dorchester in May 1848, a pair of which I gave to Dr. Schaum, who informed me by letter after his return to Germany, that the species is unknown on the continent. I have named it after my friend & companion at the time Rev. Hamlet Clark.

Ramsgate, February 15, 1849.

XXIV.—*Algæ Orientales:—Descriptions of new Species belonging to the genus* Sargassum. By R. K. Greville, LL.D. &c.*

[Continued from p. 109.]

[With a Plate.]

Wightianæ.

13. *Sargassum obovatum* (nob.); caule subcompresso; foliis caulinis obovatis, obtusissimis, subintegris vel obcure dentatis; aliis racemis intermixtis lanceolatis, serratis; vesiculis subellipticis; receptaculis minutis, oblongis, cylindraceis, in racemis densis, rotundatis, pedunculatis, aggregatis.

Hab. in mari Peninsulæ Indiæ Orientalis; Wight.

Root unknown. *Plant* probably 1–2 feet long, judging from the fragment in my possession, which is apparently a portion of one of the primary branches or divisions of the *stem*; this is somewhat compressed, as thick as a blackbird's quill, beset with numerous branches 2–3 inches long, which are bushy with ramuli less than an inch in length on which are found the racemes of fructification. *Leaves*: those on the stem above an inch long, obovate, quite rounded at the extremity, almost entire or obscurely repando-dentate, furnished with a nerve which disappears at some distance from the end; those on the smaller branches often more or less serrated, while those which accompany the fructification are much smaller, linear-lanceolate, and sharply serrate. *Vesicles* attaining the size of a small garden pea, varying in shape from elliptical to spherical, sometimes apiculate, supported on a compressed stalk generally little more than a line in length. Sometimes, however, one of the little lanceolate leaves becomes converted into a vesicle, and the stalk is then proportionally long. *Receptacles* cylindraceous, oblong, much-divided and lobed, forming a dense, roundish, very shortly pedicellated cluster a line or more in length. *Colour* very dark red-brown. *Substance* thick and cartilaginous.

* Read before the Botanical Society of Edinburgh 11th Jan. 1849.

Notes on the Amara by Peter Rylands Esq. (from ye Naturalist, Vol. 2. p. 204)

In many cases it is a very difficult matter to decide correctly the rank of individual specns of insects, extra & varts may so often be mistaken for species. These can only be tested by exam a no of individuals of ye species, & shd there be found specns wh. vary in such a manner as to form a connecting link between the supposd species & ye established one, the true value of ye former is at once understood. An example of this may be found in the Genus Bruchus. If you examine a true P. Metha & a true P. rapæ, ye appearances ply favor ye supposition that they are distinct species; but shd you meet with specns in which ye characters of P. rapæ & P. Metha are so blended & united, as to create a doubt to which species they belong, you would instantly decide that ye one wd be a var. of ye other. In like manner, & for ye same reason, P. chariclea must rank merely as a var. of P. brassicæ. Thus, also, many Naturalists are of opinion that Hipparchia polydama is a distinct species, whereas it is merely an extra var. of H. Davus. I am led to this conclusion from having taken, last summer, on Woolston Moss, near Lancr, where H. Davus is abundant, a specn which exhibited characters of both H. Davus & Polydama! —

Perhaps the species of no other genus are so liable to mistakes similar to the above, as those of Amara. Not only are they very similar in their general aspect, but each species is subject to considerable variety in colour. Being influenced by these considerations, & believing it highly probable that some species might have escaped detection thro' ye general similarity of ye whole, during the last season, I undertook a complete revision of those species wh. I cd meet with in this neighbourhood, ye results of wh. I beg to lay before ye reader. Another motive for writing this paper, is the conviction, that many beneficial results wd accrue from placing within ye reach of every Ent. a good description of the species belonging to difficult groups, such as the one under consideration; & I feel persuaded, that many will purchase the Naturalists, who are not able to procure the expensive Vols of Stephens & others.

I have used the following abbreviations — Pal. for palpi; labr. labrum; maud. mandible; ment. mentum; hd. head — thx. thorax — elyt. elytra fem. femora — tib. tibiæ — tar. tarsi — ant. antennæ & cil. for cilia.

Genus Amara Bonelli, &c.

Pal. external, maxillary, & labial, with ye 2 last joints equal, ye terminal oval, truncate, ye 3d clavate: labr. quadrate, slightly emarginate: mand. short, articulated at ye base: ment. emarginate with a bifid lobe: ant. linear, ye 3 first joints & base of ye 4th naked, ye latter not much shorter than ye 3d: hd. ovate; thx, broad, anteriorly narrowed, posteriorly as broad as the elytra, to which though out its width it is closely applied; body depressed; elyt. slightly emarginate at the tips; 2d striæ abbreviated, in some cases absent; wings ample; anterior tar. of ye males with 3 dilated joints.

The species hybernate beneath stones, grass, mosses &c, & on hot days in Spring & Summer frequently be seen basking in ye sun.

Species 1. A. acuminata Sturm.

Syn. - A. erata Kirby Mss - Steph. pl. 7. f. 6
C. acuminatus Payk.

Sp. Char. Hd smooth, impunctate; thx. short, with an abbreviated dorsal channel, & on each side at the base, with 2 foveæ; the inner deep, impunctate, ye outer minute & near the angles; elyt. striated, ye striæ impunctate, with a continuous series of impressions on ye margin; pal. & legs black; tar. reddish; ant. dusky, ye 3 basal joints rufescent, slightly tinged with dusky at ye tips. Colour above, variable; generally coppery. Length 5 - 6 lines. -

not rare on Woolston Moss nr. Warrington.

& other localities fr. Stephens -

Species 2 Amara lata, Sturm.

Syn. — A. ingenua Duft. — A. lata Steph. p. 128 —

Sp. Char. — Deep brassy black; hd. impunctate, with a very obsolete impressio on each side between ye eyes; thx. smooth, with a slight dorsal channel, & on each side at ye base with 2 sub-punctate impressions, of which ye inner one is the largest, & somewhat remote from ye base; elyt. delicately striated, ye striæ impunctate, with a continuous series of impressions on the margin; legs black, with rufous cil. & tarsi; ant. with ye 3 basal joints, & base of ye 4th rufescent, ye rest black; pal. pitchy; length 4–5 lines.

Var. a. — A. eurynota Illiger — Destitute of the impressions before ye eyes.

Common in ye vicinity of Warrington, also taken w. London, Bottisham, Southend, & at Kimpton, near Andover. I have examined a number of specimens of lata & eurynota, & feel confident, from reasons similar to those given at ye commencement, that ye latter is merely a var. of lata.

Species 3 Amara similata, Stephens.

Syn. — Harpalus similatus, Gyllenhall; A. similata Steph. Manual, 1. p. 128. —

Sp. Char. — Smaller & more oblong than ye preceding; head impunctate; thx. with 2 small scarcely punctate foveæ on each side at the base, the inner deepest; elyt. striated, ye 3 basal joints rufous. Length 4–4½ lines.

Rare about Warrington, but, according to Stephens, more frequent near London, Bottisham, Kimpton &c —

Species 4. Amara Linnæi, Rylands.

Syn: — Carabus vulgaris, Linn. Syst. Nat.; — Barbenhout Syn.; Matt. Col. pl. 37; A. obsoleta, Sturm; A. vulgaris, Steph. Manual. 1. p. 128; A. Linnæi, Ryl. Ms.

Sp. Char: — Bright copper; head with an obsolete foveola on each side between the eyes; thx. rather convex, with 2 deep scarcely punctate foveæ on each side at the base, ye inner oblong, & deepest, the outer oblique: elyt. striated, ye striæ obsoletely punctulate; legs black, with ferruginous cil. & claws; ant. with ye basal joint ferruginous, or pitchy. Length 3½ lines.

It is a law of nomenclature, which is supported by most naturalists, * that no animal ought to derive its specific name from ye rarity or commoness of ye species; ye reason for this is obvious; many animals which are frequent in one country or district, are rare in another, & vice versâ. An example of this is before us. Were we to denominate ye commonest of ye species of Amara, taken in this district, vulgaris,

* It is a rule, we fear, advocated rather in theory than in practice — Eds.

vulgaris, that appellation wd. fall upon A. trivialis; the true vulgaris of authors being far from common here. This is a sufficient reason, I trust, for altering ye. specific name, & as this species may exclusively be termed the Amara of Linnæus, the one I have substituted will, I hope, meet the views of other naturalists. Mr. Stephens gives the measurement of this species 4—4½ lines. This, however, appears, from the specimens I have examined, much above the true size. It averages 3½ lin., & is seldom, if ever, found to exceed 4 lin.

Sp. 5. Amara puncticollis, Rylands.

Sp. Char.— Above bright coppery, or greenish brass; head with an impression on each side between ye. eyes: thx. with 2 large & deeply punctated foveæ on each side at the base; the intervening space also punctulate; elyt. punctato-striatus; body beneath black; legs dark ferruginous; ant. dusky, with 3 basal joints, rufous. Length 3½ lin.

Very evidently distinct from ye. other species of this genus. Rare near Warrington.

Sp. 6. Amara trivialis, Sturm.

Syn.— Carabus trivialis, Duftschmid; A. trivialis, Steph. Manud. 1. p. 129.

Sp. Char.— More oblong than the preceding sp.; above greenish brass; head smooth; thx. with a delicate dorsal channel, & an abbreviated transverse impression, terminating on each side in a deep impunctate fovea; elyt. striated, ye. striæ obsolete at ye. base. Length 3½—4 lin.

Var. A. — With ye. tib. piceous.

Var. B — The upper surface deep blue, with the margins of ye. elyt. of a rich metallic blue.

Rare. Var. B. is very abundant near Warrington.

Sp. 7 Amara nitida, Sturm.

Syn.— A. nitida, Steph. Manud. 1. p. 129.

Sp. Char.— Allied to A. trivialis, but evidently distinct: oblong; bright greenish brass, or glossy green; head impunctata; thx. with a delicate line down the centre, & a deep linear impression on each side at the base; elyt. rather depressed, with punctulate striæ; body beneath, & fem. deep black; tib. & tar. ferruginous; palpi & 3 basal joints of the ant.

ant. rufous. Length 3½ lin.

Rare nr. Warrington; also nr. London, & in Norfolk.

Sp. 8. Amara lævis, Sturm.

Syn. — A. lævis Steph. Manu. 1. p. 130.

Sp. Char. — Broad, depressed; bright brassy green; thx. with a slight dorsal channel, an obsolete transverse impression, & two punctulate foveæ on each side at the base, ye outer one very obsolete; elytr. with punctulate striæ; legs entirely ferruginous; ant. & palp. with ye basal joints testaceous. Length 3 — 3½ lin.

Rare nr. Warrington; "nr. London & in Dorsetshire" Steph.

Sp. 9. Amara elegans, Rylands.

Sp. Char. — Slightly convex; shining brassy green; thx. with 2 punctulate striæ on each side at ye base of the dorsal channel, ye outer one nearly obsolete; elytr. striated, ye striæ punctulate; fem. & tib. rufous; ant. with ye 3 basal joints & base of ye 4th rufescent, ye rest fuscous; basal joint of ye pal. ferruginous. Length 3 — 3½ lin.

Closely allied to A. lævis, but is distinguished by the absence of ye transverse impression on the thorax; the colour of ye tarsi, &c. Not rare nr. Worthing &c.

Sp. 10. Amara cursor, Sturm.

Syn. — A. cursor Steph., Manu. 1. p. 130. —

Sp. Char. — Shining bronzed green; thx. with a slight dorsal line, ye base with an abbreviated obsolete linear impression on each side near the margin; the rest of ye surface impunctate; elytr. rather strongly punctate, striated, ferruginous. Length 3 — 3½ lin.

Rare, near Warrington. "Com. nr. London." Steph. "Rare near Bottesham" Revd. L. Jenyns.

Sp. 11. Amara ovata, Stephens.

Syn. — A. ovata, Steph. Manu. i. 129; C. ovatus, Fab.

Sp. Char. — Ovate; with the ant., pal., & legs entirely pitchy-ferruginous; above brassy; hd. impunctate; thx. rather convex, with a deep dorsal channel; the base unpunctate, with an oblique impressed line on each

each side; elyt. green-bronze, slightly convex, striated, the striæ impunctate, the margin with a continuous series of impressions; body beneath pitchy-ferrugineous. Length 3½ lines.

I am indebted to Mr Steph. for ye above description, who states that he has seen one individual of this species, which was captured near London.

Sp. 12 Amara brunnea, Steph.

Syn. — Harpalus brunneus Gyll. A. brunnea Steph.

Sp. Char. — Above, brassy-brown or chestnut; hd. smooth; thx. with a slight dorsal channel, & 2 small punctate foveæ on each side at the base; elyt. punctate-striated, with an interrupted series of impressions on the margin; body beneath rufous; legs, ant. & palpi, pale testaceous. Length 3 to 3½ lines.

Rare in Warrington also in London & Bottesham.

Sp. 13 Amara lifrons Steph.

Syn. — Harpalus lifrons, Gyll. A. lifrons Steph. 1. 130.

Sp. Char. — Oblong; black-brass above; hd. smooth, impunctate; thx. behind transversely depressed, & thickly punctulate, with 2 fovea, ye inner larger & deepest, ye outer small, oblique; the lateral margin & the hinder angles, ferrugineous; elyt. slightly convex, faintly striated, the striæ punctulate, with an interrupted series of impressions on ye margin; body, beneath, smooth, pitchy-red, with ye apex pale testaceous. Length 3 lines.

Not having met with this species, I am compelled, unwillingly, to copy a description of it from Mr Stephens, who states, further, that only 2 specns have come beneath his obs. taken in Bedfordshire.

Sp. 14 Amara discrepans, Marsham

Syn. — A. discrepans, Marsham, Mus. Steph. 1. 131.

Sp. Char. — Above, shining brassy black; thx. with a slight dorsal channel, & 2 abbreviated punctulate impressions at ye hinder angle on each side; elyt. with rather crenate striæ, the interstices flat; body beneath dusky; ant. & legs rufous. Length 3½ lines.

Rare near London &c —

Sp. 15. Amara crassa, Steph.

Syn. — A. crassa Steph. 1. 131

Sp. Char. — Very distinct from all the foregoing; above entirely of a pitchy brown, with an obscure metallic tinge in th. elytra; th. very smooth; thx. convex, obsolete wrinkled transversely, the base punctate, with 2 strongly punctate deep foveæ on each side; th. margin anteriorly a little dilated, posteriorly somewhat attenuated; elytr. punctate striate, the interstices smooth, & th. margin with an interrupted series of impressions; body beneath, legs, ant., & palpi pale testaceous red. Length 4 1/2 lines — Steph.

"One only in London" do.

Sp. 16 Amara [illegible]lis, Gyllenh.

Sp. Char. — Above bright copper, with an impression on each side between th. eyes; thx. anteriorly convex; with a dorsal channel, & abbreviated obsolete transverse impression, & 2 foveæ on each side at the base; the inner one oblong, obsoletely punctate; the outer one broad, shallow, & very distinctly punctate; elytr. with punctate striæ, & and an interrupted series of impressions on the margin; body beneath, & fem. black; tib. & tarsi ferruginous; ant., with th. 3 basal joints, & bases of th. 4th & 5th infous; th. rem., dusky; palpi pitchy. Length 3 3/4 lines.

Allied to A. punctipollis, Gyll.; but is distinguished by th. impressions on th. thorax, the colour of th. antennæ, legs &c. — Only one specn. has occurred, which I captured this Spring in Warrington —

Sp. 18 — Amara convexior, Wilk. I. 132

Sp. Char. — Rather convex; deep blue black above; thx. anteriorly smooth, with a very slender dorsal channel; th. base with an obsolete transverse impression, & towards th. angles a little punctulate, with 2 indistinct foveæ, approximating to each other, & to the margins; elytr. delicately striated, th. striæ impunctate; with a continuous series of impressions on the margin; body beneath, & thighs, deep pitchy black; tib. & tar. ferruginous; ant. pitchy, with th. 3 basal joints rufous. Length 3 1/2 lines — Steph.

"Found in London, Hertford, & Norwich" Steph.

Sp. 18 Amara plebeia, Steph.

Syn. — Bradycellus plebeius Gyll. A. plebeia, Sf. 1. 132

Sp. Char. — Above brassy; thx. anteriorly convex, with the lateral & posterior margins depressed; yr. dorsal channel is faint, & on each side at the base, are 2 deep, thickly punctate foveæ; elyt. rather convex, with obsoletely punctate striæ; body beneath, & thighs, pitchy black; tibiæ testaceous, & tarsi pitchy; 3 basal joints of the ant., rufous; palpi pitchy. Length 3½ lines.

Abundant near Warrington. "n. London"

Sp. 19 Amara obtusa Steph. — 1. 132

Sp. Char. — Allied to yr last; above brassy; thx. with a delicate dorsal channel, & 2 deep punctate foveæ on each side at yr. base; yr. intermediate space also punctate; elyt. punctate-striated, with an interrupted series of impressions on yr. margin; body beneath, & fem., deep-black; tib. & 4 basal joints of ant., testaceous red; tarsi pitchy. Length 3¼ lines.

rare n. London, Barrington &c

Sp. (20?) Amara atricaulea Steph.

Syn. — A. latescens, Steph. 1. 132

Sp. Char. — Easily distinguished by its superior width, & by the rotundity of the sides of the thorax; above deep blue black; thx. obsoletely wrinkled at the extremity of the dorsal channel, & very obsoletely punctate near each angle, but without any foveæ; elyt. with impunctate striæ, & a continuous series of impressions on the margin; fem. black; tib. & tarsi, pitchy ferruginous. Length 3¼ lines.

Not rare n. London &c — Storm has ye priority

Sp. (21?) Amara laticollis, Steph.

Syn. — A. laticollis, Steph. 1. 132. C. erraticus Duft.?

Sp. Char. — Readily distinguished by the breadth of the thx. wh. is totally impunctate throughout, having no other impression on its surface than the usual dorsal channel, & somewhat obsolete; above of a bright glossy brass; sometimes entirely black; elyt. with faint impunctate striæ, & a series of rather distant impressions on the margin; ant., legs & palpi pitchy. Length 3½ lines. "only 2 taken n. London" Steph

Sp. (22?) Amara rustica, Rylands.

Syn. — A. communis, Steph; A. rustica Ryl.; Harpalus trivialis Gyll; Car. communis? Fab.

Sp. Char. — Above coppery, or greenish brass; thx. broad, with a slight dorsal line; the base obsolately punctulate towards the angles, which have scarcely perceptible foveolæ; elytr. striæ; the striæ slightly punctulate, with an interrupted series of impressions on the margin; body beneath, & femora, glossy black; tibiæ pale ferruginous; tarsi dusky; ant. with ys. 3 basal joints rufous, ys. rem.rs dusky; pal. black.

Length 3¼ — 3½ lines.

Var. β — A. cognata Steph. — Rather larger, with the foveolæ obliterated.

" very com.n w. London, Bothishond.e" rare near Warrington only 3 have occurred.

Sp. (23?) Amara familiaris Creutzer

Syn. — Car. viridis Duft? A. familiaris Steph. I. 133

Sp. Char. — Above brassy green, or coppery; thx. smooth, with a slight dorsal line, & an obsolete punctate impression on each side at the base; elytr. with slightly punctulate striæ, & a continuous series of impressions on the margin; body beneath pitchy-aeneous black; legs, & 3 basal joints of ys. ant., rufous; pal. pitchy. Length 3¼ lines.

Var. β Above shining black, or deep caerulescent.

Var. γ. Similar in colour to the preceeding, but distinguished by being only 2¼ lines in length, & having the ant. entirely rufous, & ys. series of impressions on the margin, interrupted. Denominated by Steph. (who is in doubt whether a sp. or var.?) A. lucida; it is also, apparently, C. lucidus of Duft.

Var. δ. (C. erythropus Markham mss. A. erythropus Steph.) is distinguished from var. γ by having 2 obsolete smooth foveæ on each side at ys. base of the thorax. Length 2½ — 3 lines.

A. familiaris is rare w. Warrington but commoner w. London & Kimpton &c

Sp. ( ) Amara atra Steph.

Syn. — A. atra, Steph. 1. 134.

Sp. Char. Deep black, slightly glossy, very convex; hd. smooth; thx. rather broad, with a slight dorsal channel, & 2 subpunctate foveæ, on each side at the base near the hinder angles; the inner rather the deeper; elyt. very faintly striated, the external striæ with an interrupted series of impressions: the reflected margin of ye elyt. & ye sides of the thx. beneath, aeneous; the tibiæ & tarsi pitchy-red; the ant. stout, fuscous, with ye 3 basal joints testaceous. Length 3 lines.

The above is fr. Steph. who also says "remarkably convex, & of a deep, rather obscure black, which characters, & its slender, somewhat elongated legs, well distinguish it from its congeners; it somewhat resembles a Bembidium." "One only w. London."

Sp. ( ) Amara tibialis, Steph.

Syn. — C. tibialis Payk. A. tib. Steph. 1. 135.

Sp. Char. — Oblong; above brassy, black; in some blue, coppery, or black; thx. slightly convex, transverse, nearly quadrangular; with a slight dorsal line, & 2 small impunctate impressions on each side at the base; elyt. with punctate striæ, & an interrupted series of dots on the margin; pem. pitchy; the tibiæ, tarsi, & 3 basal joints of the ant., ufo-testaceous. Length 2 — 2¼ lines.

Not common, but apparently pretty generally distributed. This & the next (to wh. it is closely allied) may be readily discriminated by the abbreviated striæ near the scutellum being absent, or its situation merely marked by a few distant, obsolete punctures.

Sp. ( ) Amara infima Steph.

Syn. — A. infima Steph. 1. 136. C. infima Duft.

Sp. Char. — Above glossy black; hd. smooth; thx. with its lateral margins rounded, ye disk transversely convex; on each side at the base are 2 punctate foveæ, the inner

inner oblong, & deepest; the lateral margin, and sometimes the hinder, tinged with ferruginous; elyt. as in A. tibialis; body beneath glossy black; the legs stout, rusty red, the thighs occasionally dusky; ant. dull ferruginous, with the three basal joints pale testaceous. Length 2 – 2½ lines. – "apparently scarce N. London & Norfolk." Steph. –

As circumstances have prevented my attending to an arrangement of the species of Anisoa, whilst writing this & my preceding paper, I beg to lay before the reader a classification of them. No doubt it will be branded by many as artificial. In some measure it is so; in most cases, however, the species are arranged according to their natural affinities; & if it answers no other good end, I think it not improbable that it will assist the student in his investigation of the species belonging to this difficult group – thus answering one of the primary objects of systematic Entomology –

Order Coleoptera Linn.

Tribe Carabacea Ryl. + Adephaga Clairv.

Family Harpalidæ Shuck.

Genus Amara Bonelli

\+ Destitute of fovea on the thorax.

1 atricœrulea Stu – 2 laticollis Steph.

++ With an obsolete fovea, on each side, at the base of the thorax.

3 rustica Ryl – 4 familiaris Creutz

+++ With a linear impression, on each side, at base of thorax.

5 ovata Steph – 6 trivialis Stu – 7 nitida Stu – 8 curvata Stu

++++ With 2 small & slightly punctate fovea, on each side, at base of thorax.

9 acuminata Stu – 10 lata Stu. – 11 similata Steph – 12 Linnæi Ryl

13 convexior Wilk. – 14 brunnea Steph. – 15 discrepans Marsh

16 atra Steph. – 17 lævis Stu.

+++++ Thorax with 2 deeply punctate fovea, on each side at the base.

18 elegans Ryl. 19 plebeia Steph 20 obtusa Steph. –

21 bifrons Steph. 22 agilis Ryl. 23 puncticollis Ryl – 24 crassa Steph

×××××× With the abbreviated thia near the
ventellum obliterated. —

25 tibialis sinistra 26 infima sinistra.

Beverley House, near Warrington June 16th 1839

× Swainson proposes es as a termination
to distinguish tribes, as families are
known by idæ, & sub-families by ina.
es, as a distinctive termination, is obvi=
=ously objectionable. Thus we have, Insessores,
Dentirostres, Analirostres, Scansores, Scutirostres, & Scansoresses — all ending in es,
& yet each of a different rank: viz. 1st being
an order, viz. 2d a tribe 3d genus 4th subgenus & 5
a specific — This in my Ds in Ornithology
but in Ent.y quite different —

acea for instance —
Thus. Cucubacea, Papilionacea —
Phaleuacea &c —
[We consider viz. Plan good — Ed.] —

Wm S. C. Dales Ent.l Comp.t
& John Curtis F.L.S. &c
Nov — 1837 —

Lesser Owl shot nr Blandford (W. Haughton)